University of Wollongong

UNDERGRADUATE HANDBOOK 2008

CALENDAR SERIES
VOLUME 1

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About this Handbook

Course and Subject information is provided under separate Faculty chapters.

Course information includes: Faculty; campus; course code; duration; total credit points; mode of delivery; course description; course program; entry requirements; advanced standing; and information about honours.

Subject information includes: subject description; subject code; credit points; session of offer; campus; and pre-requisites.

For information on the **Rules and Policies** of the University which govern many aspects of study and other activities at the University, please see the Calendar of Governance, Rules and Policy.

More Course and Subject Information Online

The University website (**www.uow.edu.au**) contains comprehensive information for prospective and current students. Course and subject information online is more detailed and current than the information contained in this Handbook because it is updated regularly throughout the year.

The Course Finder Database

The primary source of information for prospective students, the CourseFinder database provides additional information than that contained in this Handbook, including information about employment opportunities, the UAI required for entry, language requirements, scholarships etc. The CourseFinder database can be assessed online at **www.uow.edu.au/prospective/**.

Course Information

The primary source of information for current students, the online Course Handbook 2008 can be assessed at **www.uow.edu.au/handbook/** or via the Current Students homepage at **www.uow.edu.au/student/**.

This online version provides more detailed information about how to design your program of study, as well as current information on course rules and policies. You can also access detailed subject descriptions through this web page.

Subject Database

The online subject database contains more detailed information about individual subjects. Additional details include: subject objectives, lecturer details, co-ordinator details and textbook information. Enter via **www.uow.edu.au/handbook/**.

How to Find Subject Information online

Current Students

↓

Choose **Course Handbook** from the menu

↓

Choose **Subject Descriptions,** then nominate year and choose either undergraduate or postgraduate

↓

Search Method 1

Choose Faculty and then School/Department then click on the subject name.

Search Method 2

If you know the subject code for the subject you are looking for (eg CHEM103) then enter the whole subject code in the search field and then click on subject name.

Timetable Information

You can find out when your subjects have been scheduled and the teaching facility in which your class is located by searching online at **www.uow.edu.au/student/timetables/**.

Individual timetables are provided for each campus. In addition, you can use SOLS to nominate your tutorial and practical preferences for most subjects at **www.uow.edu.au/student/tps/**.

Disclaimer

This publication was correct at time of printing (November 2007). Please refer to **www.uow.edu.au/handbook** for the most current information.

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Faculty of Arts

Member Units

School of English Literatures, Philosophy and Languages

- English Literatures Program
- Modern Languages Program
- Philosophy Program
- Science, Technology and Society Program

School of History and Politics

- History Program
- Politics Program

School of Social Sciences, Media and Communication

- Media and Cultural Studies Program
- Sociology Program

[Note: The Woolyungah Indigenous Centre, which administers the Aboriginal Studies major, is an Associate Member Unit of the Faculty of Arts]

Degrees Offered

Single Degrees

Bachelor of Arts

Bachelor of Arts (Community, Culture and Environment)*

Bachelor of Arts (Dean's Scholars)

Bachelor of Arts (Honours)

Bachelor of Communication and Media Studies

Bachelor of Communication and Media Studies (Honours)

International Bachelor of Communication and Media Studies (Honours)

Double Degrees

Bachelor of Arts - Bachelor of Commerce

Bachelor of Arts - Bachelor of Laws (See Faculty of Law)

Bachelor of Creative Arts - Bachelor of Arts (See Faculty of Creative Arts)

Bachelor of Engineering - Bachelor of Arts (See Faculty of Engineering)

Bachelor of Journalism-Bachelor of Arts (See Faculty of Creative Arts)

Bachelor of Science - Bachelor of Arts (See Faculty of Science)

Bachelor of Communication and Media Studies – Bachelor of Arts

Bachelor of Communication and Media Studies – Bachelor of Commerce

Bachelor of Communication and Media Studies – Bachelor of Creative Arts (See Faculty of Creative Arts)

Bachelor of Communication and Media Studies – Bachelor of Laws

Bachelor of Communication and Media Studies – Bachelor of Science

* Only available at Shoalhaven, Batemans Bay, Bega or Moss Vale

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/index.html

International - www.uow.edu.au/prospective/international/fees/

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Bachelor of Arts

Testamur Title:	Bachelor of Arts
Abbreviation:	BA
Home Faculty:	Faculty of Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	702
UAC Code:	753101
CRICOS Code:	000612E

Overview

A Bachelor of Arts degree is one of the more traditional and popular university degrees, though it has changed in shape and content throughout the years and from country to country. The Bachelor of Arts today is made up of subjects with origins in the humanities; history, literature, languages and philosophy and the disciplines developed during the nineteenth century that we now know as the social sciences; economics, sociology, politics, psychology, anthropology and geography. While universities package courses in a variety of ways, these and related disciplines are generally included in an Arts degree, even if they are not always located in an Arts Faculty.

Choosing a Major in the Bachelor of Arts

The Bachelor of Arts (702), is one of the more open degrees offered by the University. Rather than relying on a prescribed program of study, it offers students a range of choices. The degree offers majors in the disciplinary areas familiar from study at school, such as English Literatures, History and Languages. Other disciplinary areas that might not be as familiar, include Philosophy, Sociology, Media and Cultural Studies, Politics and Science and Technology Studies. The study of a discipline gives students a developing set of skills while they acquire a set of conceptual frameworks and a body of knowledge interpreted using those frameworks. For example, within the study of 'history', students learn how to research and write history, as well as how to read what historians have thought about the past.

The Bachelor of Art also offers interdisciplinary majors. These are built around either a place (for example Australian Studies or European Studies) or a theme (for example Aboriginal Studies or Gender Studies). These majors reach across disciplines to illustrate different ways an issue can be explored. Employment Relations, for example, draws from Economics, Management and Sociology. War and Society relies on Politics, History, Sociology and Literature. Interdisciplinary majors ask the students to step outside the comfort zone offered by disciplinary majors and offer challenging alternatives to traditional areas of study.

Most majors offered in the Bachelor of Arts require either 52 or 54 credit points although some require more (for example, those taking a Language as a beginner). Some majors are quite open in their requirements allowing students to navigate their way through the program by meeting credit point requirements at each level (for example, English Literatures). Others have core subject requirements to complete the major (for example Sociology and Employment Relations). All majors require at least a pass in 24 credit points (or three subjects) at 300 level from the subjects offered for the major. The requirements for each major are set out later in this Handbook. Majors appear on a student's testamur on graduation.

Double Majors

Students can undertake a double major in their degree. Most students choose their second major from those offered by member units of the Faculty of Arts. However, students can take as their second major any offered by other faculties provided they meet the requirements for that major. The most common second majors taken outside the Faculty of Arts include Economics, Education, Geography, Human Resource Management, Legal Studies, Management, Marketing and Psychology. Details of the subjects required for majors offered by other faculties can be found in this Handbook under the relevant faculty entries. If the two majors have common subjects, students can count one subject twice towards the majors but cannot count the credit points twice towards those required for the degree.

Minors in the Bachelor of Arts

Students can also take minors as part of their degree program either from those offered by the Arts Faculty or those offered by other faculties provided they meet the requirements set by those faculties. Subjects taken as part of a minor cannot be cross counted into any other minor or major. Minors do not appear on the testamur but do appear on the transcript (i.e. the academic record).

Honours

See separate entry for the Bachelor of Arts (Honours)

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The Faculty of Arts Honours Handbook can be accessed as a PDF document from the Faculty of Arts home page at: http://www.uow.edu.au/arts/

Advanced Standing

Information about Approved Credit Transfer Arrangements is available on the Advanced Standing page.

Entry Requirements / Assumed Knowledge

NSW HSC entry through UAC

Students apply through UAC and satisfy the UAI requirement for the year of application.

Assumed knowledge: any two units of English.

Other Secondary Qualifications

Students with secondary qualifications outside NSW will be considered on a case-by-case basis.

Tertiary Qualifications

Applications will be considered from students with the following tertiary qualifications:

A completed two-year Diploma or Advanced Diploma from TAFE or another accredited institution;

Not less that one-sixth of a Bachelor degree from an approved university;

Other tertiary courses approved by the University of Wollongong.

Overseas Qualifications

Students with tertiary qualifications obtained overseas will be considered, provided that they satisfy University's minimum admission requirements.

Alternative Entry (Domestic applicants)

STAT test

UAP

Aboriginal and Torres Strait islander alternative entry program

Course Requirements

To qualify for award of the degree of Bachelor of Arts course code 702 a student must complete a total of at least 144 credit points from subjects listed in the Course Structures of the Bachelor of Arts offered by member units of the Faculty of Arts and other subjects as approved by the Faculty.

The 144 credit points shall include:

a) the subjects prescribed for one of the majors listed in the Course Structures for that degree and offered by member units of the Faculty of Arts;

b) for majors offered by the member units of the Faculty of Arts 24 credit points at 300 level at a pass grade or better in subjects offered by member units of the Faculty of Arts;

c) not more than 60 credit points in 100-level subjects.

Students may count no more than 26 credit points of PC (Pass Conceded) or PR (Pass Restricted) grades towards the 144 required for the degree.

Where a double major is taken, both shall meet the requirements of the majors as prescribed by the faculty. A candidate for course code 702 who has registered for two major studies, for which there are common subjects at any level may count one subject twice towards the requirements of the major studies, but may only count the credit points once towards the credit points required by the course.

Minor studies for course code 702 consists of a minimum of 28 credit points of which no more than 12 credit points at 100 level. Students may not cross count subjects from a nominated minor into any other minor or major.

Major Study Areas from the Faculty of Arts

Students enrolled in the Bachelor of Arts within the Faculty of Arts must take one of these majors:

- Aboriginal Studies
- Asia-Pacific Studies
- Australian Studies
- Community, Culture and Environment*
- Employment Relations
- English Language and Linguistics
- English Literatures
- European Studies
- French
- Gender Studies

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- History
- Information Studies
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Resource and Environmental Studies
- Science, Technology and Society
- Sociology
- Spanish
- War and Society

*available at the Shoalhaven Campus and the Bega, Batemans Bay and Moss Vale access centres only. For details see the Bachelor of Arts (Community and Environment).

Minor Studies

Students enrolled in the Bachelor of Arts within the Faculty of Arts may choose from the following minors:

- Aboriginal Studies
- Asia-Pacific Studies
- Australian Studies
- Employment Relations
- English Language and Linguistics
- English Literatures
- Environmental Studies*
- European Studies
- French
- Gender Studies
- History
- Information Studies
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Resource and Environmental Studies
- Science, Technology and Society
- Sociology
- Spanish
- War and Society

*available at the Shoalhaven Campus and the Bega, Batemans Bay and Moss Vale access centres only.

Internship and International Subjects

(See subject descriptions for more information on these subjects)

ARTS201	Introduction to Australia for International Students
ARTS202	International Studies
ARTS301	Arts Internship
POL301	Politics Internship (for students taking the Australian National Internship Program or Washington Internship)

If students take a major taught by member units of the Faculty of Arts, they may take as a Secondary major any other major offered by the University provided they meet its requirements.

The more traditional second majors taken are:

- Economics (Faculty of Commerce)

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- Education (Faculty of Education)
- Geography (Faculty of Science)
- Legal Studies (Faculty of Law)
- Management (Faculty of Commerce)
- Marketing (Faculty of Commerce)
- Psychology* (Faculty of Health & Behavioural Sciences)

* Students wishing to undertake the major in Psychology as a primary, single major should refer to the Bachelor of Arts in the Faculty of Health & Behavioural Sciences (course code 708)

Assessment

Assessment in this course varies between subjects and programs, but typically can include a combination of essays, tutorial/seminar presentations, WebCT exercises and, in some subjects, in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines, which students receive in the first week of session.

Honours

See separate entry for the Bachelor of Arts (Honours)

The Faculty of Arts Honours Handbook can be accessed as a PDF document from the Faculty of Arts home page at: http://www.uow.edu.au/arts/

Aboriginal Studies

Aboriginal Studies is an interdisciplinary major which links together ABST subjects and a number of subjects as well as offered by the Faculties of Arts, Creative Arts, Education, Health and Behavioural Sciences, Law and Science, to provide Aboriginal and non-Aboriginal students with a coherent program in the study of Aboriginal Australia.

Major Study

The major consists of three core subjects offered by the Woolyungah Indigenous Centre together with a choice of subjects offered by participating Faculties. Students are advised to consult with the Woolyungah Indigenous Centre about available subjects prior to enrolment.

A major in Aboriginal Studies requires the completion of a minimum of 52 credit points, consisting of at least 12 credit points at 100-level, 16 credit points at 200-level and 24 credit points at 300-level. The major must include ABST150, ABST200 and ABST300.

Double Major

A majority of the Aboriginal Studies subjects are drawn from the offerings of a number of Faculties, and it is possible for students to complete a second major. Students are encouraged to look closely at this option, particularly if they are contemplating postgraduate study.

Minor Study

A minor in Aboriginal Studies will consist of the three core subjects (ABST150, ABST200 and ABST300) and one other subject from the subjects prescribed for the major (see Study Program below). Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects	Title	Session	Credit Points
100-level			
ABST150	Introduction to Aboriginal Australia	Autumn/Spring	6
ARTS112	People and Place	Autumn	6
AUST102	Australian Studies: Narrating the Nation	Spring	6
ENGL113	Contemporary Writing in Australia	Spring	6
HIST109	Living Australia: 1800-2000	Spring	6
EESC104	The Human Environment: Problems and Change	Spring	6
PHIL151	Practical Reasoning A	Spring	6
POL 141	Change and Debate in Contemporary Australian Politics	Summer 08/09	6
POP 101	Population Health-Current Issues and their Determinants	Autumn	6
SOC 103	Aspects of Australian Society	Autumn	6
VISA123	Introduction to Aboriginal Arts and Society	Autumn	6

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200-level			
ABST200	Aboriginal Identities: History and Contested Knowledge	Spring	8
ABST201	Redefining Eden: Indigenous Peoples and the Environment	Autumn	8
ABST202	Indigenous Self-Representation in Contemporary Texts	Autumn	8
EESC214	Discovering Down Under: A Geography of Australia	Spring/ Summer 08/09	8
EESC215	Environmental Impact of Societies	Spring	8
HIST239	A Cultural History of Water	Spring	8
NMIH240	Current Services in Indigenous Health	N/O 2008	6
NMIH242	Functional Community Structures	Autumn	6
PHIL206	Practical Ethics	Autumn	8
PHIL232	Political Philosophy	Spring	8
POP 201	Contemporary Population Health Issues	Autumn	6
SOC 231	Social Analysis	Spring	8
300-level			
ABST300	Indigenous Theories of Decolonisation	Spring	8
ABST350	Special Topic in Aboriginal Studies	Autumn/Spring	8
ABST361	Issues in Aboriginal Education	Autumn	8
ABST362	Aboriginal Pedagogy	Spring	8
EESC307	Spaces, Places and Identities: Qualitative research design	Autumn	8
EESC308	Environmental and Heritage Management	Spring	8
ENGL375	Australia Fair: Nation, "Race", Culture	Spring	8
HIST350	Debates in Australian Cultural History	Autumn	8
LAW 344	Indigenous Peoples and Legal Systems	N/O 2008	6
NMIH327	Health and Human Ecology	N/O 2008	6
NMIH341	Research in Indigenous Health	Spring	6
PHIL390	Contemporary Political Philosophy	Spring	8
POP 325	Aboriginal Health Issues	Spring	8
SOC 305	Race and Ethnic Studies	Spring	8
SOC 308	Social Policy and the Neoliberal State	N/O 2008	8
VISA321	Introduction to Indigenous Art and Visual Culture	Autumn	6

Asia-Pacific Studies

The Asia-Pacific Studies major provides students with an understanding of the region in terms of socio-cultural studies, history, politics, economics and languages, with particular attention to Southeast Asia, India, Korea and Japan.

The recent changes that have taken place in Australia's region, demonstrate how forces of globalisation are increasingly integrating all parts of the world, and thus are shaping Australia's future as one in which it is essential to be able to connect to wider cultural, social, political and economic trends. This major offers unique insights into the nature of globalisation in the Asia-Pacific, and will equip graduates to participate in these changes through roles in government, trade, law, social policy, development studies and culture.

Within the major, students can combine subjects to follow streams of study of development in the Asia-Pacific (Sociology, Politics, History, Geosciences and Economics subjects), the interaction of society, culture, language and politics in the region (Literature, Language and History subjects), or intensive study of the Japanese language.

Major Study

A major study in Asia-Pacific Studies for the Bachelor of Arts degree requires the completion of a minimum of 52 credit points from the subjects listed below, including all core subjects. At least 24 credit points must be at 300-level. This interdisciplinary major may be taken as a single major study, but its flexibility makes it a useful component in a double major. Students should plan their degree programs carefully, bearing in mind the need to satisfy subject prerequisites, particularly at 200- and 300-levels.

Minor Study

A minor in Asia-Pacific Studies will consist of at least 28 credit points of subjects from the course structure of the major. It must include HIST107 and SOC243 but no more than 2 subjects at 100-level. Students may not cross-count any subjects from the minor, in any other minor or major study.

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Honours

See Bachelor of Arts (Honours)

Study Program

Subjects	Title	Session	Credit Points
Core			
SOC 243	Contesting Asia: Culture, Diversity, Difference	Autumn	8
ASIA300	Globalising Asia	Spring	8
Electives			
100-Level			
STS 120	Technology in Society: East and West	N/O 2008	6
HIST124	The Cold War and After	Autumn	6
HIST107	Empires, Colonies and the Clash of Civilisations	Spring	6
JAPA101	An Introduction to Japanese	Summer 08/09	6
JAPA110	Japan and the Japanese	N/O 2008	6
JAPA141	Beginners' Japanese I	Autumn	6
JAPA142	Beginners' Japanese II	Spring	6
JAPA143	Beginners' Japanese III	Summer 08/09	8
The following 100-level subjects may be offered in Summer Session.			
INDO101	Introductory Indonesian/Malaysian - Level 1	N/O 2008	6
INDO104	Indonesian/Malaysian 1A	N/O 2008	6
INDO105	Indonesian/Malaysian 1B	N/O 2008	6
MAND151	Chinese (Mandarin) for beginners 1A	Autumn	6
MAND152	Chinese (Mandarin) for beginners 1B	Spring	6
MAND161	Chinese (Mandarin) for Character Background Students (CBS) 1A	Autumn	6
200-Level			
ASIA299	Special Topics in southeast Asian Studies	Autumn/Spring/ Summer 08/09	8
ECON205	Macroeconomic Theory and Policy	Autumn/Spring	6
ECON251	Industry and Trade in East Asia	Spring	6
EESC212	Geographical Population Studies	Autumn	8
HIST255	Australia and Asia: Connections and Comparisons	Spring	8
HIST286	From Ancient Kingdoms to Colonies: Southeast Asia, 1500-1900	N/O 2008	8
HIST288	Religion and Military Rule in Southeast Asia	N/O 2008	8
LING210	Communicating in a Foreign Language	Autumn	8
POL 225	International Relations, An Introduction	Autumn	8
SMAC201	Popular Culture in Japan	Spring	8
300-Level			
ASIA399	Special Topics in south east Asian Studies	Autumn/Spring/ Summer 08/09	8
ECON303	Economic Development Issues	Autumn	6
ENGL373	Pacific Literature	Spring	8
HIST339	Australians and War: from Kokoda to Iraq	N/O 2008	8
HIST379	Culture and Identity in Indonesian History, 1870-2002	N/O 2008	8
HIST394	Commodification History	Spring	8
POL 317	Politics in the South Pacific	Spring	8

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POL 318	The Asian Tigers - Newly Industrialising Countries in Transition	Autumn	8
POL 323	North and South: Approaches to Relations Between Advanced, Industrialising and Developing Countries	Spring	8
SOC 318	Modernity, Development and Social Change	N/O 2008	8

*Note: Students wishing to undertake language study in Indonesian should consult the Convenor of the Asia-Pacific Studies major on enrolling.

Australian Studies

Australian Studies is an interdisciplinary and multidisciplinary course of study. It includes Aboriginal studies, history, politics, literature, sociology and gender. It has been designed to introduce students to the various ways Australian issues are addressed and analysed by a variety of interdisciplinary and disciplinary approaches. The major examines questions about national identity, social, cultural and political diversity, race and gender. By crossing between disciplines, this major offers a rich insight into the complexities and contradictions that contribute to the notions of 'Australian'.

Major Study

A major in Australian Studies consists of a minimum of 52 credit points; a minimum of 6 credit points at 100-level, 8 credit points at 200-level and 24 credit points at 300-level. The major is made up of two core subjects: AUST101 or AUST102 at first year level and AUST300. The balance of credit points is made up by taking subjects with Australian content offered by the following Programs within the Faculty: Aboriginal Studies, Media and Cultural Studies, English, History, Politics, Science Technology and Society and Sociology.

Students should ensure that they have the necessary prerequisites to take the subjects of their choice, or have had the prerequisites waived by the Convenor of the relevant Program.

Minor Study

A minor in Australian Studies consists of a minimum of 28 credit points including one of the nominated core subjects at 100-level. The balance of credit points can be taken from the list of subjects for the major, provided that no more than 12 credit points are taken at 100-level. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subject	Title	Session	Credit Points
100-Level Core			
AUST101	Australian Studies: Cultures and Identities	Autumn	6
or			
AUST102	Australian Studies: Narrating the Nation	Spring	6
(Students may use AUST101 or AUST102 as an elective if they have not selected it as a core subject).			
100-Level Electives			
ABST150	Introduction to Aboriginal Australia	Autumn/Spring	6
ENGL113	Contemporary Writing in Australia	Spring	6
HIST109	Living Australia, 1880-2000	Spring	6
POL 111	Australian Politics	Autumn	6
POL 141	Change and Debate in Contemporary Australian Politics	Summer 08/09	6
SOC 103	Aspects of Australian Society	Autumn	6
STS 120	Technology in Society: East and West	N/O 2008	6
200-Level Electives			
ABST200	Aboriginal Identities: History and Contested Knowledge	Spring	8
MACS219	Cinema in Australia	Spring	8
ENGL260	Nineteenth Century Australian Literacy Culture	Autumn	8
HIST203	Australians and the Great War	N/O 2008	8
HIST239	A Cultural History of Water	Spring	8
HIST255	Australia and Asia: Connections and Comparisons	Spring	8
POL 222	Australian Public Policy	Autumn	8
POL 290	Women in Society: Productive and Reproductive Labour	N/O 2008	8

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SOC 205	Sociology of the Family	Spring	8
SOC 222	Crime, Criminality and Criminalisation	N/O 2008	8
SOC 242	Contemporary Issues in Society	N/O 2008	8
300-Level Core			
AUST300	Twentieth Century Australian Culture	Autumn	8
300-Level Electives:			
ENGL346	Contemporary Canadian Australian Literatures	N/O 2008	8
ENGL375	Australia Fair: Nation, "Race" and Culture	Spring	8
HIST318	The Making of the Modern Australian Woman	Spring	8
HIST339	Australians and War: from Kokoda to Iraq	N/O 2008	8
HIST340	New Approaches to Australian Urban and Rural Working Class History	Autumn	8
HIST342	Sickness and Death: Social History and Public Health in Australia	Spring	8
HIST394	Commodification History	Spring	8
POL 302	Foundations of Australian Political Culture	Spring	8
SOC 305	Race and Ethnic Studies	Spring	8
SOC 308	Social Policy and the Neoliberal State	N/O 2008	8
SOC 310	The Third Sector	N/O 2008	8
SOC 330	Gender and Society	Spring	8

Employment Relations

Employment Relations covers policies, practices and processes involved in the control and administration of work and employment from the viewpoints of all those involved - at macro and micro levels. This includes everything from the effects of globalisation, government policies geography and gender, right down to individual workplace rules and relationships.

In multidisciplinary fields of study such as Employment Relations/Industrial Relations, a wide range of methods and methodologies are used to develop thorough understanding and analysis.

By understanding and analysing work and employment from all perspectives, those with ER/IR majors or minors are effective and "street-wise" with analytical skills and abilities useful in professions, business, government, trade unions, employer associations or the community. Study of ER/IR gives you good knowledge and skills, a capacity to analyse critically and a 360 degree understanding of matters pertaining to employment and work in Australia, the Asia Pacific and beyond.

Major Study

The major will consist of a minimum of 64 credit points.

Double Major

It is possible for students to complete a second major. Students are encouraged to look closely at this option, particularly if they are contemplating postgraduate study.

Minor Study

A Minor will also be offered in Employment Relations consisting of a minimum of 28 credit points including ERLS100, either ERLS240 or SOC 272 and two electives from the schedule listed for the Major. Students considering a double major are well advised to seek a complimentary second major such as Asia Pacific Studies, History, Politics, Psychology, Sociology and STS.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects	Title	Session	Credit Points
100-level			
ERLS100	Introduction to Employment Relations and Labour Studies	Autumn	6
LAW 101	Law, Business and Society	Autumn	6
200-level			
SOC 272	Sociology of Work	Spring	8

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ERLS240	Comparative Issues in Pay Determination	Spring	8
MGMT206	Managing Human Resources	Spring/Autumn	6
300-level			
GLS300	Global and Comparative Labour Studies	N/O 2008	8
ERLS340	Comparative Perspectives on the Employment Relationship	Spring	8
And two of			
ERLS348	Employers and Industrial Relations	Spring	8
ERLS352	Negotiation and Bargaining	Summer 08/09	8
LAW 330	Law of Employment	Autumn	6
LAW 332	Labour Regulation	Spring	6
MGMT341	International and Comparative Human Resource Management	Spring	6
ECON308	Labour Economics	Spring	6
Complimentary subject: This general subject does not count towards the major in ERLS. It may be taken as a general elective in the degree.			
ERLS342	Researching Employment Relations and Global Labour Studies	Autumn	8

English Language and Linguistics

The English Language and Linguistics major is built around the premise that access to knowledge through language literacy, is access to power and future success. The ELL major not only addresses immediate written and spoken literacy needs, but also develops linguistic analytical skills, thus enhancing language awareness and enabling students to gain a greater level of sophistication in their use of English. The English Language and Linguistics (ELL) major provides two orientations: a TESOL (Teaching English to Speakers of other Languages) orientation, which can lead to a professional qualification in TESOL if further study is undertaken in the Faculty of Education, and an English for Professional Purposes orientation.

At 100-level, students are introduced to the functional structure and linguistic features of academic writing and also the context in which this occurs – the Western Academic tradition (ELL152/161). ELL171 introduces further functional linguistic tools but within the context of a variety of text types. The functional linguistic approach is continued in ELL271 and ELL371, providing students with a comprehensive "toolbox" for linguistic analysis. The focus is on academic writing, though other text types are considered in order to highlight the particular features of the former. These grammatically oriented core subjects are complemented by LING210 and ELL310, which contextualise the focus language (English), within the global arena.

Major Study

A major in English Language and Linguistics for Non-English Speaking Background students (NESB) consists of 58 credit points and must include 18 credit points at 100-level, 16 credit points at 200-level and 24 credit points at 300-level. A major in English Language and Linguistics for English Speaking Background students (ESB) consists of a minimum of 52 credit points, and must include 12 credit points at 100-level, 16 credit points at 200-level and 24 credit points at 300-level. Students who are uncertain whether they should be in the NESB or the ESB stream must consult the ELL co-ordinator.

Note: LING210 is counted towards majors in French, Italian, Japanese, and English Language and Linguistics.

Minor Study

A minor in English Language and Linguistics for English Speaking Background students (ESB) will consist of ELL161, ELL171, ELL 271, and LING210 (28 credit points). For non- English Speaking Background students (NESB), the minor will consist of ELL151, ELL152, ELL171, ELL271, and LING210 (34 credit points). Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
TESOL Orientation			
100-Level – NESB (Non English Speaking Background) students			
ELL 151	English for Academic Purposes: A Second Language Perspective 1	Autumn	6
ELL 152	English for Academic Purposes: A Second Language Perspective 2	Spring	6

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ELL 171	An Introduction to Systemic Functional Linguistics	Spring	6
100-Level – ESB (English Speaking Background) students			
ELL 161	English for Academic Purposes: A First Language Perspective	Autumn	6
ELL 171	An Introduction to Systemic Functional Linguistics	Spring	6
200-Level - NESB and ESB students			
ELL 271	Grammar and Discourse 1	Autumn	8
LING210	Communicating in a Foreign Language	Autumn	8
300-Level Core - NESB and ESB students			
ELL 310	World Englishes	Autumn	8
ELL 371	Grammar and Discourse 2	Spring	8
300-Level Elective- NESB and ESB students. Any subjects from the following:			
EDET302	Programming and Methodology in Second Language Teaching	Autumn	6
EDEK401	Teaching, Reading and Writing To Second Language Learners	Spring	6
EDET401	Teaching English, Speaking and Listening to Second Language Learners	N/O 2008	6
EDET402	Teaching English in International Contexts	Autumn	6

English for Professional Purposes Orientation

100-Level – NESB (Non English Speaking Background) students			
ELL 151	English for Academic Purposes: A Second Language Perspective 1	Autumn	6
ELL 152	English for Academic Purposes: A Second Language Perspective 2	Spring	6
ELL 171	An Introduction to Systemic Functional Linguistics	Spring	6
100-Level – ESB (English Speaking Background) students			
ELL 161	English for Academic Purposes: A First Language Perspective	Autumn	6
ELL 171	An Introduction to Systemic Functional Linguistics	Spring	6
200-Level Core- NESB and ESB students			
ELL 271	Grammar and Discourse 1	Autumn	8
200-Level Electives - NESB and ESB students. One of the following subjects:			
LING210	Communicating in a Foreign Language	Autumn	8
PHIL255	Philosophy of Language	Spring	8
300-Level Core - NESB and ESB students			
ELL 371	Grammar and Discourse 2	Spring	8
ELL 310	World Englishes	Autumn	8
ELL 314	Language and Ideology	Spring	8

English Literatures

The English major introduces students to a broad range of literary texts: novels, poetry, essays, drama, short stories, film, diaries, and letters, all drawn from medieval to contemporary popular culture. The major offers a rich international curriculum. Students read literatures written or performed in English from Australia, Africa, the Caribbean, New Zealand and the Pacific, Canada, India, and the UK. They are encouraged to enquire into the politics of the production and reception of these texts, in order to understand the aesthetics and valuation of literature as related to questions of race, gender, sexuality, class, and nation. The English major enhances reading, writing and speaking skills, enabling students to analyse what they read, and articulate their response to reading with critical acumen and cultural sensitivity.

Within the major, students can study broadly across genres and literary periods, or they can follow streams of subjects in areas including Australian literature, Postcolonial literatures, Indigenous Australian/Canadian/New Zealand literatures, Gender Studies, and Literature by historical periods. Further specialisation is possible within each stream, e.g. Canadian within Postcolonial, Medieval and Renaissance within Historical, or Modern and Contemporary within Historical. Interest in theory can also be followed through a combination of gender, postcolonial and modernist subjects.

English is often combined as a double major with Communication and Cultural Studies, but students may combine it with any other approved Arts major. It is often taken as the Arts major in the Arts/Law double-degree, and it is an ideal second major for journalism students in the Bachelor of Communication and Media Studies.

English for Teaching Careers

Students intending to teach in primary schools should take at least two English subjects. Students intending to be secondary English teachers need at least 28 credit points of English. In both cases, one of the English subjects will need to contain the word "Literature" in the title. (This regulation is imposed by the NSW Education Department.)

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Major Study

A major study in English Literatures is made up of at least 54 credit points: 6 at 100-level, 24 at 200-level, and 24 at 300-level. Of the 54, at least 46 credit points will be in subjects having the prefix 'ENGL', with at least 6 credit points at 100-level, and16 credit points at 300-level of ENGL subjects. The remaining 8 credit points may be either an ENGL subject, LANG305, or PHIL255 (see below). At 300-level, Pass Conceded or Pass Restricted grades will not accrue credit points towards the major.

Pre-Requisites for 200- and 300-Level Subjects

To gain entry into 200-level English subjects, students must have at least 36 credit points at 100-level, including at least 6 credit points of English (ENGL prefix). For entry to 300-level subjects, students must have at least 16 credit points at 200- level, including at least 8 credit points of English (ENGL prefix).

Minor Study

A minor in English Literatures will consist of at least 28 credit points from the Course Structure of the English Literatures major. Not more than two subjects may be taken at 100-level. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
100-Level requirements for the major: at least 6 credit points from the following subjects			
ENGL113	Contemporary Writing in Australia	Spring	6
ENGL120	An Introduction to Literature and Screen Studies	Autumn	6
ENGL121	Text and Gender	N/O 2008	6
200-Level requirements for the major: at least 24 credit points from the following subjects*.			
ENGL217	Introduction to Poetry	N/O 2008	8
ENGL228	English Renaissance Literature and Culture	Autumn	8
ENGL229	Romantic Literature	N/O 2008	8
ENGL230	Page to Stage: Modes of Performance	Autumn	8
ENGL243	Children's and Young Adult Fantasy Literature	Summer 08/09	8
ENGL244	Children's Literature in Australia	N/O 2008	8
ENGL248	Chaucer	Spring	8
ENGL255	Eighteenth Century Literature and Culture	Spring	8
ENGL259	An Introduction to Canadian Literature	Spring	8
ENGL260	Nineteenth Century Australian Literary Culture	Autumn	8
ENGL264	Modernism	N/O 2008	8
ENGL265	English and Empire	Spring	8
ENGL266	Literature of the Victorian Age	Autumn	8
ENGL267	Nineteenth Century US Literature	Spring	8
300-Level requirements for the major: at least 24 credit points from the following subjects* Note: At 300-level, Pass Conceded or Pass Restricted grades will not accrue credit points towards the major.			
ENGL312	Shakespeare, Jonson and Early Modern Dramatic Literature	Spring	8
ENGL334	Critical Theory: Development and Debates	Autumn	8
ENGL337	Sex, Power and Chivalry - Medieval to Modern Literature	Spring	8
ENGL340	Directed Study in English	Autumn/Spring	8
ENGL345	20th Century Women's Literature	Spring	8
ENGL346	Contemporary Canadian Australian Literatures	N/O 2008	8
ENGL350	Fantasy and Popular Fiction	N/O 2008	8
ENGL355	Fourteenth Century Literature	N/O 2008	8
ENGL365	19th Century Women's Literature	Autumn	8
ENGL366	Black Writing from Africa, the U.S. and the Caribbean	N/O 2008	8
ENGL373	Pacific Literature	Spring	8
ENGL374	From Page to Screen	N/O 2008	8
ENGL375	Australia Fair: Nation, 'Race', Culture	Spring	8

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ENGL376	Representing India	Autumn	8
ENGL388	From Sojourners to Global Citizens: Writing from the Chinese Diaspora	Autumn	8

*Other approved subjects: Students may count ONE of the following subjects towards the English Literatures major. Students wishing to enrol in these subjects must satisfy the subject prerequisites.

LANG305	Literature and Society in Renaissance Europe	Autumn	8
PHIL255	Philosophy of Language	Spring	8

European Studies

European history, literature and language subjects (French, Italian or Spanish), contribute to this interdisciplinary and multi-disciplinary major. This allows students to study a European language (French, Italian or Spanish) at either beginner/near beginner, or post-HSC level, as well as subjects dealing with European civilisation, unities, and minorities. The core subjects of the major are offered by the Modern Languages, History, and Politics programs. Other subjects relevant to Europe which complement the European Studies major are offered by the Science, Technology and Society, Philosophy, and English Literatures programs.

The major in European Studies brings together expertise existing in various disciplines, drawing together combined knowledge of a specific geo-political and economic area of great significance to Australia, and equipping students with the linguistic, cultural and intellectual skills required to understand and interpret European affairs.

Major Study

A major in European Studies will consist of a minimum of 52 credit points, including a minimum of 28 credit points chosen from Schedules 1, 2, or 3 and the remainder from Schedule 4. Students must include 24 credit points at 300-level.

Students wishing to study French should take the subjects listed in Schedule 1 below. Students wishing to study Italian should take the subjects listed in Schedule 2 below. Students wishing to study Spanish should take the subjects listed in Schedule 3 below.

Minor Study

A minor in European Studies will consist of two sequential language subjects from Schedule 1,2, or 3, together with EURO220 and EURO320. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Schedule I (French core subjects)		Session	Credit Points
FREN151	French IA Language	Autumn	6
or			
FREN251	French IIA Language	Autumn	8
FREN152	French IB Language	Spring	6
or			
FREN252	French IIB Language	Spring	8
EURO220	The European Union: Post-war Integration, 1945 to the Present	Spring	8
EURO320	Nations without States in the European Union	Autumn	8

Schedule II (Italian core subjects)		Session	Credit Points
ITAL151	Italian IA Language	Autumn	6
or			
ITAL251	Italian IIA Language	Autumn	8
ITAL152	Italian IB Language	Spring	6
or			
ITAL252	Italian IIB Language	Spring	8
EURO220	The European Union: Post-war Integration, 1945 to the Present	Spring	8
EURO320	Nations without States in the European Union	Autumn	8

Schedule III (Spanish core subjects)		Session	Credit Points
SPAN151	Spanish for Beginners 1	Autumn	6

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or			
SPAN251	Spanish Intermediate 1	Autumn	8
SPAN152	Spanish for Beginners 2	Spring	6
or			
SPAN252	Spanish Intermediate 2	Spring	8
EURO220	The European Union: Post war European Integration, 1945 to the Present	Spring	8
EURO320	Nations without States in the European Union	Autumn	8

Note: Students who have not taken the following subjects as core subjects may take them as electives: FREN251, FREN252, ITAL251, ITAL252, SPAN251, SPAN252

Schedule IV (Elective subjects)		**Session**	**Credit Points**
ENGL228	English Renaissance Literature and Culture	Autumn	8
ENGL229	Romantic Literature	N/O 2008	8
ENGL230	Page to Stage: Modes of Performance	Autumn	8
ENGL248	Chaucer	Spring	8
ENGL255	Eighteenth Century Literature and Culture	Spring	8
ENGL264	Modernism	N/O 2008	8
ENGL312	Shakespeare, Jonson and Early Modern Dramatic Literature	Spring	8
ENGL334	Critical Theory: Development and Debates	Autumn	8
ENGL337	Sex, Power and Chivalry: Medieval to Modern Literature	Spring	8
ENGL355	Fourteenth Century Literature	N/O 2008	8
FREN110	France and the French	Autumn	6
FREN210	France in the Twentieth Century	Spring	8
FREN351	French IIIA	Autumn	8
FREN352	French IIIB	Spring	8
FREN361	French III C	Autumn/Spring	8
FREN362	French III D	Autumn/Spring	8
HIST124	The Cold War and After	Autumn	6
HIST216	Ancient History: Greece	Autumn	8
HIST217	Ancient History: Rome	Spring	8
HIST232	Russia in War and Revolution	Autumn	8
HIST260	War, Military Revolution and the rise of the State 1340-1660	Spring	8
HIST286	From Ancient Kingdoms to Colonies - Southeast Asia, 1500-1900	N/O 2008	8
HIST322	Nazism, Stalinism and World War Two	Autumn	8
HIST341	The Struggle for Europe, 1494-1713	N/O 2008	8
ITAL110	Italy and the Italians	Autumn	6
ITAL351	Italian IIIA	Autumn	8
ITAL352	Italian IIIB	Spring	8
LING210	Communicating in a Foreign Language	Autumn	8
LANG305	Literature and Society in Renaissance Europe	Autumn	8
LANG371	Advanced Studies in Language/Culture A	Autumn/Spring	8
LANG372	Advanced Studies in Language/Culture B	Autumn/Spring	8
LANG373	Advanced Studies in Language/Culture C	Autumn/Spring	8
PHIL211	Greek Philosophy	Summer	8
POL 314	Power and the Modern State	Spring	8
POL 315	The Politics of Post-Communist Countries	N/O 2008	8
SPAN110	The Hispanic World	Spring	6
SPAN151	Spanish for Beginners 1	Autumn	6
SPAN152	Spanish for Beginners 2	Spring	6

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SPAN251	Spanish intermediate 1	Autumn	8
SPAN252	Spanish intermediate 2	Spring	8
STS 336	Advanced Topics in the History of Science 1500-1800	N/O 2008	8

French

A major in French allows students to study French language, literature, and culture either as beginners or advanced learners. Students who enter the major at post-HSC (or advanced) level, will be exempted from some language subjects.

The French major aims to provide a course of study which will enable students to:

- comprehend normal spoken and written French in any situation;
- speak and write clearly and accurately in French in everyday situations;
- use their increasing knowledge of the structure of the foreign language to move from dependence on formal instruction to ongoing independent acquisition of linguistic proficiency;
- gather and synthesise information on topics of current interest from different French-language sources and in different media;
- recognise and respond personally to culture-specific information and cultural suppositions in French source material, and to differences between French culture and their own cultural heritage;
- make effective use of linguistic resources such as bilingual dictionaries, Web searches, and descriptive grammars;
- better understand the structure and the communicative resources of their own language;
- accurately translate non-specialist French documents into English;
- apply their foreign language skills to a contemporary French workplace environment;
- gain a broad overview of French cultural and literary traditions;
- take the opportunity to include a semester of study abroad at an exchange university in France as part of their Wollongong undergraduate degree.

Major Study

A major in French for beginners or near beginners consists of 66 credit points, and must include 18 credit points at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below. Students who have achieved a strong 2 Unit HSC pass or equivalent may choose to enter the language sequence at the level of FREN251, and complete a 54 credit points major comprising 6 credit points (civilisation) at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below.

All students wishing to enter the French major at the level of FREN251 must obtain formal approval from the French co-ordinator.

Subject to the pre-requisites listed in the subject database, language and literature/civilisation subjects may be taken independently of one another, e.g. French 1A Language may be taken without also taking FREN110. However, students wishing to complete a major in French must complete the sequence set out below.

Native or near-native speakers, whose major also consists of 54 credit points, may be granted waivers for FREN251 and FREN252. Such waivers will be granted only at the time of first enrolment in French, in accordance with the Program's policy and with the formal approval of the French co-ordinator or the Convenor of Program. Replacement subjects to make up the 54 credit points for the major are to be chosen from the additional subjects listed below. Credit may be granted for language courses taken at University level in accordance with established University of Wollongong guidelines.

Minor Study in Languages Other Than English (LOTE): French

A Minor in French consists of four sequential language subjects in French. Students beginning at 100-level will take 28 credit points and students beginning at upper levels will take 32 credit points. Students may not cross-count any subjects from the minor in any other minor or major study.

Example: A student beginner could take a Minor by studying FREN151, FREN152, FREN251 and FREN252.

A student who had studied French to HSC level and was commencing University French at second year level could take a minor by studying FREN251, FREN252, FREN351 and FREN352.

Whilst the minor will not be stipulated on the student's testamur at graduation, it will be recorded on the academic transcript.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
100-Level			
FREN151	French IA Language	Autumn	6

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FREN152	French IB Language	Spring	6
FREN110	France and the French	Autumn	6
200-Level			
FREN251	French IIA Language	Autumn	8
FREN252	French IIB Language	Spring	8
LING210	Communicating in a Foreign Language	Autumn	8
300-Level			
FREN351	French IIIA Language	Autumn	8
FREN352	French IIIB Language	Spring	8
LANG305	Society in Renaissance Europe	Autumn	8
Depending on availability, additional subjects may be taken from:			
FREN210	France in the Twentieth Century	Spring	8
or			
LING210	Communicating in a Foreign Language	Autumn	8
FREN361	French IIIC	Autumn/Spring	8
FREN362	French IIID	Autumn/Spring	8
LANG371	Advanced Studies in Language/Culture A	Autumn/Spring	8
LANG372	Advanced Studies in Language/Culture B	Autumn/Spring	8
LANG373	Advanced Studies in Language/Culture C	Autumn/Spring	8
FREN391	French Study Abroad A	Spring/Autumn/ Summer (France)	8
FREN392	French Study Abroad B	Spring/Autumn/ Summer (France)	8
FREN393	French Study Abroad C	Spring/Autumn/ Summer (France)	8

Gender Studies

Gender Studies is an interdisciplinary major which provides a strong emphasis on what has traditionally been described as Women's Studies. This focus needs to be retained in the so-called post-feminist age, with its increasingly sophisticated and pervasive attempts to persuade the consumer/reader/viewer that gender equity is finally here, and belief systems are merely are matter of choice. One of the tasks of this major is to address and redress this notion. At the same time - as its name indicates - subjects in the major increasingly attempt to deal not only with the impact of being gendered as female, but also with definitions of masculinity and queer theory.

In this major, the construction of gender is viewed from a variety of academic perspectives: literary, historical, sociological, and legal; and deals with a range of associated cultural issues: eg. race, ethnicity, class, and the family.

The major recognises that students come from a range of backgrounds and may want to study over a range of areas. Accordingly, the major is made up of subjects from the faculties of Arts, Commerce, Education, Health and Behavioural Sciences, Law and Science.

Major Study

A major in Gender Studies consists of at least 54 credit points chosen from the following range of subjects (at least 24 credit points must be at 300-level). Students will choose at least five subjects from the list of Specialist Electives, and no more than two from the list of General Electives. Normal pre-requisites apply for the following subjects unless these are waived by the Head of Unit. This applies, in particular, to LAW subjects, for which LAW100 Law in Society is a necessary pre-requisite and will not be waived. Please note: not all subjects will be available in any one year.

Minor Study

A minor in Gender Studies will consist of at least 28 credit points of subjects from the Course Structure of the Gender Studies major including not more than two subjects at 100-level. At least three of the subjects must be from the list of Specialist Electives. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Specialist Electives	Session	Credit Points
Students must choose at least five subjects from this list		
100-Level		

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ENGL121	Text and Gender	N/O 2008	6
200-Level			
ECON208	Gender Work and the Family	Autumn	6
ENGL260	Nineteenth Century Australian Literary Culture	Autumn	8
POL 290	Women in Society – Productive and Reproductive Labour	N/O 2008	8
SOC 205	Sociology of the Family	Spring	8
300-Level			
EDUE324	Gender and Social Justice	Spring	6
ENGL337	Sex Power and Chivalry: Medieval to Modern Literature	Spring	8
ENGL345	20th Century Women's Literature	Spring	8
ENGL365	19th Century Women's Literature	Autumn	8
ENGL375	Australia Fair: Nation, "Race", Culture	Spring	8
HIST318	The Making of the Modern Australian Woman	Spring	8
PHIL363	Philosophy of Feminism	N/O 2008	8
SOC 330	Gender and Society	Spring	8
LAW 335	Anti-Discrimination Law	N/O 2008	6

General Electives		**Session**	**Credit Points**
Students must choose no more than two subjects from this list.			
100-Level			
EESC104	The Human Environment: Problems and Change	Spring	6
ENGL113	Contemporary Writing in Australia	Spring	6
POP 102	Sex, Drugs and Rock'n'Roll: Public Health Perspectives	N/O 2008	6
SOC 103	Aspects of Australian Society	Autumn	6
200-Level			
EDUF212	Education II	Spring	6
ENGL255	Eighteenth Century Literature and Culture	Spring	8
ENGL259	An Introduction to Canadian Literature	Spring	8
300-Level			
MACS330	The Practices of Everyday Life	Spring	8
LAW 303	Children, Families and the Law	Spring	6
PHIL380	Bioethics	Spring	8

History

History aims to understand and interpret the past. It is the subject that brings the past into the present. History is a dynamic discipline, since each generation returns to the past with different questions, based on their own experiences and concerns. Historical analysis brings together both facts and moral judgements to analyse the background to contemporary conditions. Perhaps more importantly, History can also help us to imagine the kinds of futures we want to live.

As an interpretive discipline, History helps to sharpen the skills needed in a broad range of occupations. It teaches us to research information, to critically evaluate debates, and to communicate our arguments and beliefs clearly and effectively. It enriches our experience of the world by offering ways to understand the broad scope of human experiences – from our everyday lives, to larger global processes.

Wollongong's History Program focuses upon themes that link Australian and international history. These themes include culture, environment, gender, globalisation, historiography, labour, war and regional development. These themes may be traced in a variety of settings, whether in broad histories of specific Australian, Asian and European societies; in more specific historical examinations of empires, the political and social impacts of wars, and the development of the State; or in themes as diverse as the history of water, commodification history or the history of sickness and death.

Studying History at Wollongong is also about learning what it is to be a historian with each subject containing steps towards developing a sophisticated critical appreciation of contemporary approaches to historical theories, methods, interpretation, argument, and uses of evidence.

Career Opportunities

History graduates follow many employment paths. They work in Federal and State government departments, in private enterprise, as researchers, in the media, in travel, marketing and tourism, as teachers at primary and secondary schools, institutes of technology and universities, as well as finance and service industries.

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The History course builds a solid foundation for future study through developing the students' capacity to inquire, analyse and communicate information, ideas, and concepts. This is extremely helpful to the graduate in terms of taking postgraduate courses.

Major Study

The History major is the central core of study in a History students' undergraduate Bachelor of Arts degree. It will consist of 52 credit points out of at least 144 credit points, with 24 credit points being at 300-level. The purpose of a major is to provide a specific and coherent course of study which will allow students to develop skills. Each subject in the major is intended to provide an understanding of a topic, area or theme, which will develop and enhance skills so as progress to other subjects can take place.

100-level subjects require no special knowledge and are best described as survey courses. They will however, provide students with a general introduction to a particular time, place, or theme. Students will learn and be introduced to many valuable basic skills to help them build a strong foundation for their major. In these subjects students will learn how to:

- identify the causes and effects of historical change;
- summarise the main points of a historical work;
- identify the thesis or central argument of a historical work;
- describe the historical context of a work;
- identify different types of historical evidence;
- see how historians produce different accounts of the same of the event; and
- to begin the use of primary source material to produce and defend arguments.

200-level subjects will refine and extend both skills and historical knowledge. They offer study in greater depth than the survey courses, and will take a closer look at events and places. 300-level subjects take a detailed approach to major historical problems, and unlike earlier studies, students will use a wide range of primary sources to investigate topics. These may include film, radio, television, archival manuscript, oral interviews, literature, newspapers, parliamentary records, photographs, diaries and/or company documents.

Students taking a major in History can count up to 16 credit points from the following: ABST150, ABST200, FREN210, and STS238, as well as the Politics subjects listed in the table below. Note: students enrolled in a double major may only cross-count one subject.

Minor Study

A minor in History will consist of at least 28 credit points in subjects from the schedule of the History major. Students may not take more than two subjects at 100-level, and may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
100-Level			
AUST101	Australian Studies, Cultures and Identities	Autumn	6
AUST102	Australian Studies, Narrating the Nation	Spring	6
HIST107	Empires, Colonies and the Clash of Civilisations	Spring	6
HIST109	Living Australia 1880-2000	Spring	6
HIST124	The Cold War and After	Autumn	6
POL 141	Change and Debate in Contemporary Australian Politics	Summer 07/08	6
200-Level			
HIST203	Australians and the Great War	N/O 2008	8
HIST216	Ancient History: Greece	Autumn	8
HIST217	Ancient History: Rome	Spring	8
HIST230	Gallipoli Study Tour	Winter	8
HIST232	Russia in War and Revolution	Autumn	8
HIST239	A Cultural History of Water	Spring	8
HIST255	Australia and Asia: Connections and Comparisons	Spring	8
HIST260	War, Military Revolution and the Rise of the State, 1340-1660	Spring	8
HIST275	The Growth of the United States, 1865-1898	N/O 2008	8
HIST276	America's Rise to Globalism Since 1919	N/O 2008	8

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HIST286	From Ancient Kingdoms to Colonies: Southeast Asia, 1500-1900	N/O 2008	8
HIST288	Religion and Military Rule in Southeast Asia	N/O 2008	8
HIST291	Film and History	Autumn	8
POL 230	Latin America: Conquest and Colonisation	Spring	8
300-Level			
AUST300	Twentieth Century Australian Culture	Autumn	8
HIST300	Reporting War: A History	N/O 2008	8
HIST318	The Making of the Modern Australian Woman	Spring	8
HIST322	Nazism, Stalinism and World War Two	Autumn	8
HIST325	Theory and Method of History	Spring	8
HIST334	Regional History	Autumn	8
HIST339	Australians and War: From Kokoda to Iraq	N/O 2008	8
HIST340	New Approaches to Australian Urban and Rural Working Class History	Autumn	8
HIST341	The Struggle for Europe: 1494-1713	N/O 2008	8
HIST342	Sickness and Death: Social History and Public Health in Australia	Spring	8
HIST350	Debates in Australian Cultural History	Autumn	8
HIST379	Culture and Identity in Indonesian History 1870-2002	N/O 2008	8
HIST381	Comparative Indigenous History	Spring	8
HIST394	Commodification History	Spring	8
POL 315	The Politics of Post Communist Countries	N/O 2008	8
POL 368	Protest and Power in America: the Sixties	Autumn	8

Information Studies

In contrast to courses providing training in Information Technology, Information Studies concentrates on examining information issues from social perspectives. In addition to learning about computer languages and communication systems, this major enables students not only to use, but also to critically analyse, reflect on, and contribute to transforming information systems in their social context. The subjects in the major include a range of social science and humanities disciplines in Arts and beyond that specifically address information issues.

The core subjects look specifically at information issues. They do not assume prior study in the discipline. The subjects in the strands draw from established courses in four faculties.

Major Study

A major in Information Studies is an interdisciplinary program of core and optional subjects totalling 66 credit points (dependant on the course strands chosen by the student). It includes at least 24 credit points at 300-level. Subjects are drawn from the Faculties of Arts, Commerce, Informatics, and Law. Students must complete all core subjects and the required subjects from two strands. Students may not take both Strand 2 and Strand 4.

(Note: If the required subjects in particular strands are not available, please see the coordinator of the major for advice on appropriate alternatives).

Minor Study

A minor in Information Studies consists of 28 or 30 credit points from the schedule of the major, including two subjects from the core and one subject from each of the three levels. IACT subjects may not be counted with BUS subjects at 200- and 300-levels. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects	Title	Session	Credit Points
Core Subjects			
SMAC100	Thinking about Societies, Technologies and Cultures	Autumn	6
CSCI102	N/O 2008	Spring	6
STS 128	Computers in Society	Spring	6

Electives: Two of the following strands must be completed but students cannot count both strand 2 and strand 4

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Strand 1: Three of the following subjects, including at least two at 300-level:			
MACS335	Electronic Cultures	Autumn	8
POL 224	Politics and the Media	Spring	8
STS 288	Science and the Media	Autumn	8
STS 322	Politics in a Technological society	Autumn	8
STS 341	Technological Change, Popular Culture and New Media	Spring	8
Strand 2: All of the following:			
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
IACT301	Information and Communication Security Issues	Spring	6
IACT303	Worldwide Networking	Spring	6
Strand 3			
LAW 101	Law, Business and Society	Autumn	6
LAW 210	Contract Law	Spring	6
and two of the following:			
LAW 302	Law of Business organizations	Autumn	6
LAW 317	e-Commerce Law	N/O 2008	6
LAW 331	Intellectual Property Law	Spring	6
LAW 348	Media Law	Autumn	6
Strand 4: All of the following:			
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Business Data Communications	Autumn	6

Italian

A major in Italian allows students to study the language, literature, and culture either as beginners or advanced learners. Students who enter the major at post-HSC or advanced levels will be exempted from some language subjects.

The purpose of the major is to provide a course of study which allows any student, regardless of their background in the discipline, to include in their degree a specialisation in Italian which will enable them to:

- comprehend normal spoken and written Italian in any situation;
- express themselves clearly and accurately in spoken and written Italian in a wide range of situations;
- use their increasing knowledge of the foreign language to move from dependence on formal instruction to ongoing independent acquisition of linguistic proficiency;
- gather and synthesise information on topics of current interest from different Italian language texts and in different media;
- recognise and respond personally to culture-specific information and cultural suppositions in Italian texts and to differences between Italian culture and their own cultural heritage;
- better understand the structure and the communicative resources of their own language;
- take the opportunity to include one or two semesters of study abroad at an exchange university in Italy as part of their Wollongong undergraduate degree.

Major Study

A major in Italian for beginners or near beginners consists of 66 credit points, and must include 18 credit points at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below. Students who have achieved a strong 2 Unit HSC pass or equivalent may choose to enter the language sequence at the level of ITAL251 and complete a 54 credit points major comprising 6 credit points (civilisation) at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below. All students wishing to enter the Italian major at the level of ITAL251 or ITAL152 must obtain approval from the Italian co-ordinator.

Native or near-native speakers, whose major also consists of 54 credit points, will be granted waivers for ITAL151 and ITAL152. Such waivers will be granted only at the time of first enrolment in Italian, in accordance with the Program's policy and with the formal approval of the Italian co-ordinator or the Convenor of Program. Replacement subjects, to make up the 54 credit points for the major are to be chosen from the additional subjects listed below. Credit may be granted for language courses taken at university level in accordance with established University of Wollongong guidelines.

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Subject to the pre-requisites listed in the subject database, language and literature/civilisation subjects may be taken independently of one another, e.g. Italian 1A Language may be taken without also taking ITAL110.

Minor study in Languages other than English (LOTE): Italian

A minor study in Italian consists of four sequential subjects in Italian. The minor will consist of 28 or 32 credit points of language study (28 credit points for students beginning at 100-level and 32 credit points for students beginning at upper levels). Students may not cross-count any subjects from the minor in any other minor or major study.

Example: A student beginner could take a minor by studying ITAL151, ITAL152, ITAL251 and ITAL252.

A student who had studied Italian to HSC level and was commencing university Italian at second year level could take a Minor by studying ITAL251, ITAL252, ITAL351 and ITAL352.

Whilst the minor will not be stipulated on the student's testamur at graduation, it will be recorded on the academic transcript.

Honours

See Bachelor of Arts (Honours)

Study Program

100-Level			
ITAL151	Italian IA Language	Autumn	6
ITAL152	Italian IB Language	Spring	6
ITAL110	Italy and the Italians	Autumn	6
200-Level			
ITAL251	Italian IIA Language	Autumn	8
ITAL252	Italian IIB Language	Spring	8
LING210	Communicating in a Foreign Language	Autumn	8
300-Level			
ITAL351	Italian IIIA Language	Autumn	8
ITAL352	Italian IIIB Language	Spring	8
LANG305	Literature and Society in Renaissance Europe	Autumn	8
Depending on availability, additional subjects may be taken from:			
LANG371	Advanced Studies in Language/Culture A	Autumn/Spring	8
LANG372	Advanced Studies in Language/Culture B	Autumn/Spring	8
LANG373	Advanced Studies in Language/Culture C	Autumn/Spring	8
ITAL391	Italian Study Abroad A	Autumn/Spring/ Summer (Italy)	8
ITAL392	Italian Study Abroad B	Autumn/Spring/ Summer (Italy)	8
ITAL393	Italian Study Abroad C	Autumn/Spring/ Summer (Italy)	8

Japanese

The major in Japanese focuses on developing language skills that will be practical in real life situations, both spoken and written, and is designed with two streams of study dependent on a students' language proficiency. Students may enter the major at beginner or intermediate level (including post-HSC level). All students who wish to enter directly into intermediate level must consult with the convenor of the major. The major consists of language and civilisation subjects, and subjects which require a short period of study in Japan.

Major Study

For beginners the major consists of 82 credit points, and for intermediate, 62. Intermediate entry is recommended for students having completed either Continuers (2 unit) or Extension (3 unit) Japanese at a NSW high school. The beginner stream assumes no prior knowledge of the language. The Japanese major articulates with NSW TAFE Certificate 3 in Japanese.

Intermediate (non-post-HSC) stream students are required to successfully complete a placement test. A unique feature of this course is the period of study in Japan for beginners and intermediate entry students.

Another special feature on offer at Wollongong (for suitably qualified graduates), is one year of study at a Japanese university in JAPA451 or JAPA551, for which some generous scholarships are available. The Modern Languages Program has had considerable success in obtaining funding and scholarships to assist with the costs of travel and residence in Japan. Such funding is not guaranteed, however, so students may need to meet the costs associated with travel and accommodation for any periods of study in Japan.

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Students wishing to study beginner's Japanese but not as a major study, are encouraged to take JAPA141 in Session 1, or JAPA101 in Summer Session (if available). JAPA102 and JAPA103 are also available for beginners who are interested in basic Japanese for either teaching or business respectively. JAPA101, 102, and 103 are all terminating subjects, and are not considered as prerequisites for any other subject in Japanese. They are not mutually exclusive, so only 1 of the 3 can be awarded credit points. JAPA110 is available to all students who wish to familiarise themselves with Japanese civilisation and society, but who do not wish to pursue language studies.

Minor study in Languages other than English (LOTE): Japanese

Students may also take a minor consisting of any four sequential language subjects in Japanese (e.g. JAPA141, 2 and 3, and JAPA261). The minor will consist of 28 or 32 credit points of language study, dependent upon level of entry. Students may not cross-count any subjects from the language minor in any other minor or major study.

Whilst the minor will not be stipulated on the students' testamur at graduation, it will be recorded on the academic transcript. Example: A student beginner could take a minor by studying JAPA141, JAPA142, JAPA143 and JAPA261.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects	Title	Session	Credit Points
100-Level: Beginners or near beginners			
JAPA110	Japan and the Japanese	N/O 2008	6
JAPA141	Beginners' Japanese I	Autumn	6
JAPA142	Beginners' Japanese II	Spring	6
JAPA143	Beginners' Japanese III	Summer 08/09	8
100-Level: Intermediate (or Post-HSC)			
JAPA110	Japan and the Japanese	N/O 2008	6
200-Level: All students			
JAPA261	Intermediate Japanese I	Autumn	8
JAPA262	Intermediate Japanese II	Spring	8
JAPA271	In-country Japanese Session (Japan)*	Winter (Japan)	8
LING210	Communicating in a Foreign Language	Autumn	8
300-Level			
JAPA310	Advanced Readings in Japanese	Autumn	8
JAPA361	Advanced Japanese I	Autumn	8
JAPA362	Advanced Japanese II	Spring	8

Complimentary Subjects: These general subjects do not count towards the major in Japanese. They may be taken as general electives in the degree by students prior to majoring in Japanese (i.e. prior to studying JAPA141) or by students wishing to study the subject without majoring. If a student who has completed JAPA 101, for example, s/he may not take JAPA102 or JAPA103 and vice versa.

JAPA101	An Introduction to Japanese*	Summer 08/09	6
JAPA102	Japanese Studies for Educational Purposes*	Spring	6
JAPA103	Japanese Studies for Business Purposes*	Spring	6
SMAC201	Popular Culture in Japan **	Spring	8

* Subject to availability. Note: JAPA271 is offered to students majoring in Japanese and places are limited. If all places are not filled by majoring students, places may be made available to students undertaking the minor in Japanese.

** SMAC201 is a complimentary subject rather than a compulsory part of the Major.

Media and Cultural Studies

This major provides a critical and theoretical understanding of media and culture. It places emphasis on questions of identity, power, diversity, globalisation, and the cultural dimensions of social, scientific and technological change and political engagement. It offers ways of thinking critically about the practice and representation of these and other issues in cinema, television, new media and everyday life. Students are encouraged to investigate these issues both in local contexts and at the international level.

In the core subjects, students are introduced to the key ideas and debates underpinning the interdisciplinary field of cultural studies. In these subjects, students will also learn about methods for analysing film, television, and new media materials. Core subjects are complemented by subjects in which students study specific cultural and media practices in a range of historical, discursive, and institutional settings. In addition to these, students may also include one or two electives from a list of subjects taught by other programs, which are highly relevant to media and cultural studies.

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Students who complete this major will graduate with conceptual knowledge and skills in research and analysis, which will be useful in a wide range of related fields such as journalism, media research, arts management, the public service, public affairs, lobbying, and social advocacy.

Major Study

The MACS major requires a minimum of 54 credit points including three core subjects. At 100-level, students must complete SMAC 100. At upper level, students must complete one at 200-level (either MACS 207 or MACS 221), and one at 300-level (either MACS 300 or MACS 330). No more than 16 credit points can be taken from the elective subject lists.

Pre-requisites

Entry to all MACS 200-level subjects will require 36 credit points. Entry to MACS 300-level subjects at least 16 credit points at 200-level. Study abroad and exchange students can consult with the Convenor of Program about entry to upper level MACS subjects. Core MACS subjects have more restrictive pre-requisites.

Minor Study

A minor in Media and Cultural Studies will consist of at least 28 credit points of subjects from the Course Structure of the Media and Cultural Studies major. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
100-Level Core			
SMAC100	Thinking about Societies, Technologies and Cultures	Autumn	6
Upper Level (200-300) Core			
Students must complete two of the following four subjects – one at 200-level, and one at 300-level. Note: Students may take all four subjects, counting two as core subjects, and two as complementary subjects contributing to their major.			
MACS207	Culture: Central Problems and Critical Debates	N/O 2008	8
MACS221	Critical Cultural Practice	Spring	8
MACS300	Investigating Identity	Spring	8
MACS330	The Practices of Everyday Life	Spring	8
200-Level Major Subjects			
MACS200	Media Events and Rituals	Spring	8
MACS217	Film Form and Style	Autumn	8
MACS219	Cinema in Australia	Spring	8
POL 224	Politics and the Media	Spring	8
STS 288	Science and the Media	Autumn	8
200-Level Electives			
ABST202	Indigenous Self-Representation in Contemporary Texts	Autumn	8
(Note: Students thinking of doing ABST202 should have done ABST150 along with 6 credit points of MACS, ENGL or CREA in the 36 credit points prerequisite).			
HIST239	A Cultural History of Water	Spring	8
HIST291	Film and History	Autumn	8
PHIL255	Philosophy of Language	Spring	8
300-Level Major subjects			
MACS301	Culture and Emotion	Autumn	8
MACS333	Genre: Theory and Analysis	Spring	8
MACS335	Electronic Cultures	Autumn	8
MACS337	Hollywood in Context	N/O 2008	8
MACS341	Media and Cultural Studies: Advanced Seminar	Spring	8
MACS351	Signs of Communication	Summer 08/09	8
MACS357	Television Cultures	Spring	8
POL 324	Culture and Politics	N/O 2008	8
STS 335	The Politics of Risk	Spring	8

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STS 341	Technological Change, Popular Culture and New Media	Spring	8
STS 390	Media, War and Peace	Spring	8
300-Level Electives			
ARTS301	Arts Internship	Spring	8
ENGL334	Critical Theory: Development and Debates	Autumn	8
LAW 322	Law, Things and Everyday Life	N/O 2008	6
(Note: This subject has a pre-requisite of 48 credit points of any subjects, and it has a quota.)			
POL 368	Protest and Power in America: The Sixties	Autumn	8

Philosophy

Do human beings have free will? Is the mind distinct from our physical constitution? What is knowledge? Is morality a matter of opinion? These are some of the questions that may be examined in an introductory philosophy degree.

The curriculum covers established areas of enquiry such as theory of knowledge, metaphysics, philosophy of mind and action, philosophy of language, theoretical ethics, political philosophy, philosophy of law, philosophy of feminism, and applied philosophy, including health, media and environmental ethics.

Upper level subjects within the philosophy major divide into two broad streams of study: (a) Ethics, Politics and Society, and (b) Knowledge, Mind, Language, and Metaphysics. These streams of study reflect central areas of enquiry making up the subject matter of philosophy.

Introductory subjects in philosophy serve to introduce students to the themes that are taken up in more depth in the upper level subjects within streams (a) and (b). In the interests of a good education within the discipline, it is recommended to students that they include in their major a spread of subjects across streams (a) and (b).

Major Study

A major in Philosophy comprises a minimum of 52 credit points of PHIL subjects, of which at least 16 credit points are 200-level PHIL subjects and at least 24 credit points are 300-level PHIL subjects. Students taking a major in Philosophy may count 8 credit points from POL213.

Minor Study

A minor in Philosophy will consist of at least 28 credit points in subjects from the schedule of the Philosophy major. Students may not take more than two subjects at 100-level, and may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
100-Level			
PHIL106	Media, Ethics and Law	Spring	6
PHIL107	Values, Self and Knowledge	Autumn	6
PHIL151	Practical Reasoning	Spring	6
200-Level			
PHIL206	Practical Ethics	Autumn	8
PHIL209	Logic	Spring	8
PHIL210	Contemporary European Philosophy	Autumn	8
PHIL211	Greek Philosophy	Summer 08/09	8
PHIL232	Political Philosophy	Spring	8
PHIL255	Philosophy of Language	Spring	8
PHIL256	Ethics and the Environment A	Autumn	6
PHIL258	Ethics and the Environment B	Autumn	8
PHIL262	Theories of Knowledge and Metaphysics	Spring	8
PHIL284	Theoretical Ethics	Spring	8
PHIL286	Philosophy of Social Science	N/O 2008	8
PHIL288	Philosophy of Mind	Autumn	8
Other approved 200-level subject			
POL213	Key Concepts and Thinkers in Political Theory	N/O 2008	8

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300-Level			
PHIL305	Special Philosophical Questions	Spring/Autumn/ Summer	8
PHIL309	Knowledge and Language	Spring	8
PHIL310	Advanced Applied Ethics	Autumn	8
PHIL313	Advanced Theoretical Ethics	Autumn	8
PHIL314	Advanced Topics in the Philosophy of Mind	Autumn	8
PHIL363	Philosophy of Feminism	N/O 2008	8
PHIL380	Bioethics	Spring	8
PHIL390	Contemporary Political Philosophy	Spring	8

Politics

The discipline of Politics is an exciting, vibrant and constantly changing body of ideas, approaches and methods. The Politics program offers subjects in international relations, Australian politics, political theory, comparative politics, the politics of developing countries, public policy, culture and media. Students are advised to study as broadly as possible across the areas offered by the discipline.

The purpose of the major is to acquaint students with key areas of Politics as a discipline. Political study involves examining the origins and nature of consent, authority, and consensus, which underpin social order. Many factors are covered in this examination; political institutions, political economy, culture, class, gender and ethnicity. Politics can and does occur at many levels, from international relations to the nation state, from local communities to the individual. The study of politics is not just to do with politics in the here and now, but concerns itself with both the past and the future. Whether it is a country being studied, relations between countries, or a body of political ideas, politics engages us with choices about how to live life and how best to contribute to society.

Major Study

A major in Politics consists of 52 credit points, including at least 24 credit points at 300-level in Politics subjects. Graduates with a Politics major will normally have included at least one subject from each of the following areas in their program: (1) Australian Politics, (2) Political Theory and (3) the Politics of a country other than Australia or Comparative Politics or International Relations.

Note: Students who intend to undertake Honours in Politics must complete POL314 power and the Modern State.

Students majoring in Politics may count up to 16 credit points from the following subjects: PHIL232, PHIL390, SOC308, SOC309, SOC318, SOC221, STS322 and STS335. Note: Students enrolled in a double major may only cross-count one subject.

Minor Study

A minor in Politics will consist of at least 28 credit points in subjects with the prefix 'POL' from the Course Structure of the Politics major. Students may not take more than two subjects at 100-level, and may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
100-Level			
POL 111	Australian Politics	Autumn	6
POL 121	Politics in a Globalising World	Spring	6
POL 141	Change and Debate in Contemporary Australian Politics	Summer 08/09	6
200-level			
POL 210	The European Union: Post-War Integration, 1945 to the Present	Spring	8
POL 211	Democracy in Theory and Practice	Spring	8
POL 213	Key Concepts and Theories in Political History	N/O 2008	8
POL 216	Politics in the USA	Autumn	8
POL 222	Australian Public Policy	Autumn	8
POL 224	Politics and the Media	Spring	8
POL 225	International Relations: An Introduction	Autumn	8

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POL 230	Latin America: Conquest and Colonisation	Spring	8
POL 290	Women in Society: Productive and Reproductive Labour	N/O 2008	8
300-Level			
POL 301	Politics Internship	Autumn/Spring/ Summer 08/09	16
POL 302	Foundations of Australian Political Culture	Spring	8
POL 303	Peacekeeping, Sovereignty and Global Order	Spring	8
POL 314	Power and the Modern State	Spring	8
POL 315	The Politics of Post-Communist Countries	N/O 2008	8
POL 317	Politics in the South Pacific	Spring	8
POL 318	The Asian Tigers - Newly Industrialising Countries in Transition	Autumn	8
POL 319	Political Economy in the New Millennium	Autumn	8
POL 323	North and South: Approaches to Relations between Advanced, Industrialising and Less Developed Countries	Spring	8
POL 324	Culture and Politics	N/O 2008	8
POL 368	Protest and Power in America: The Sixties	Autumn	8

Resource and Environmental Studies

Resource and Environmental Studies looks at environmental issues from social perspectives, in contrast to environmental science, which uses scientific disciplines to approach environmental issues. The rationale for RES is that many environmental problems are not technical issues but involve political struggles, ethical choices, human behaviour, economic trade-offs, and conflicts over scientific knowledge. To tackle these wider social dimensions intrinsic to most environmental issues of concern today, a wide-ranging social analysis is valuable and essential.

The subjects in the major include a range of social science and humanities disciplines (in Arts and beyond) that specifically address environmental issues. There is a core of four subjects from Earth and Environmental Sciences, Science Technology and Society (STS) and Philosophy. In addition, students must choose subject sequences from two of four areas - STS, EESC, Law and Economics - so that they are exposed to a variety of disciplinary perspectives (in the core) and to require all students to develop advanced level understanding in two contrasting disciplines (in the sequences). The major is thus genuinely interdisciplinary.

Major Study

A major study in Resource and Environmental Studies for the Bachelor of Arts degree is available by undertaking the following program. It must include at least 24 credit points at 300-level. A major in Resource and Environmental Studies involves an interdisciplinary combination of core and optional subjects. The core is made up of four subjects from Earth and Environmental Sciences, Science, Technology and Society and Philosophy. Students must also choose subject sequences from two of four areas: Science, Technology and Society, Earth and Environmental Sciences, Law or Economics.

Minor Study

A minor in Resource and Environmental Studies consists of 28 or 30 credit points from the schedule of the major, including two subjects from the core of the major and including one subject at each of the three levels. Students may not cross-count any subjects from the minor in any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Subjects	Title	Session	Credit Points
Core Subjects			
EESC104	The Human Environment: Problems and Change	Spring	6
STS 116	Environment in Crisis: Technology and Society	Spring	6
PHIL256	Ethics and the Environment A	Autumn	6
STS 300	The Environmental Context	Autumn	8

Electives

Two of sequences A, B, C and D must be completed.

Sequence A: Both of the following subjects:

(Note: Students undertaking sequence A, are strongly recommended to take ECON111, Introductory Microeconomics. Furthermore, to be able to handle ECON311 well, it is recommended that students also take ECON215, Microeconomic Theory and Policy.)

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ECON309	Environmental Economics	Spring	6
ECON311	Natural Resource Economics	Spring	6

Sequence B: Three of the following subjects:

(Note: Students must have successfully completed at least one 200-level subject as a prerequisite for 300-level subjects.)

EESC212	Geographical Population Studies	Autumn	8
EESC211	Rural and Urban Social Geography	Spring	8
EESC215	Environmental Impact of Societies	Spring	8
EESC308	Environment and Heritage Management	Spring	8

Sequence C: Two compulsory subjects and one elective:

STS 100	Social Aspects of Science and Technology	Autumn	6
STS 335	The Politics of Risk	Spring	8

and one of the following subjects:

STS 238	Changing Images of Nature and the Environment	Spring	8
STS 278	Scientific and Technological Controversy	Spring	8

Sequence D: All of the following subjects:

LAW 101	Law, Business and Society	Autumn	6
LAW 308	Administrative Law	Autumn	6
LAW 334	Environmental Law	Spring	6

Science, Technology and Society (STS)

Modern science and technology underpin almost every feature of our society. They impinge daily upon our lives and shape our futures. Science, Technology and Society (STS) is the interdisciplinary academic field which studies the origin, nature and social impact of science, technology and medicine, and seeks to inform science and technology policies for the future.

What are science and technology, and how have they developed? What do scientists and technologists do? What makes their knowledge 'scientific'? How do their activities affect us? Can we influence their direction? How will our future depend on them? Can we solve the problems that seem to come with the opportunities? Students in all fields need to confront these questions.

In the past generation there has been a revolution in our understanding of these issues. Of the few STS teaching programs in Australian universities, Wollongong's is one of the longest established, most comprehensive and most innovative.

STS can be studied as a major, leading to Honours and PhD programs. A minor in STS, or individual STS subjects, can be selected as a suitable complement to a major in many other fields.

Major Study

A major in STS consists of 52 or 54 credit points, and comprises:

- STS100 Social Aspects of Science and Technology (or equivalent if taken in 2004 or before)
- STS278 Scientific and Technological Controversy
- STS322 Politics in a Technological Society

PLUS

- one other STS subject at 200- level,
- two other STS subjects at 300-level,
- one other STS subject at any level.

Minor Study

A minor in STS consists of 28 or 30 credit points from the schedule of the major. The minor includes one subject at each of the three levels. Subjects in the minor may not be cross-counted with any other minor or major study.

Honours

See Bachelor of Arts (Honours)

Study Program

Important note: Some STS subjects at 200- and 300- levels have two versions: 8 credit point versions are listed in the General Schedule and 6 credit point versions are taken as electives in degrees from faculties offering 6 credit point subjects at upper levels. (See Electives for Non-Arts students in table below). These upper-level 6 credit point subjects will not count towards the Arts degree nor the Bachelor of Communication and Media Studies.

Subjects	Title	Session	Credit Points

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100-Level			
STS 100	Social Aspects of Science and Technology	Autumn	6
STS 112	Revolutions in Science: History, Philosophy and Politics of Science	Spring	6
STS 116	Environment in Crisis: Technology and Society	Spring	6
STS 120	Technology in Society: East and West	N/O 2008	6
STS 128	Computers in Society	Spring	6
200-Level			
STS 215	Globalisation: Technology, Culture and Media	Autumn	8
STS 218	Environment in Crisis: Technology and Society	Spring	8
STS 223	The Politics of Medicine and Health	N/O 2008	8
STS 238	Changing Images of Nature and the Environment	Spring	8
STS 250	From Molecular Genetics to Biotechnology	N/O 2008	8
STS 278	Scientific and Technological Controversy	Spring	8
STS 288	Science and the Media	Autumn	8
300-Level			
MACS335	Electronic Cultures	Autumn	8
HIST342	Sickness and Death: Social History of Public Health in Australia	Spring	8
PHIL380	Bioethics	Spring	8
STS 300	The Environmental Context	Autumn	8
STS 322	Politics in a Technological Society	Autumn	8
STS 335	The Politics of Risk	Spring	8
STS 341	Technological Change, Popular Culture and New Media	Spring	8
STS 360	Technology and Body Politics	N/O 2008	8
STS 390	Media, War and Peace	Spring	8
STS 399	Research Topics in Science and Technology Studies	Autumn/Spring	8

Elective subjects for Non-Arts students

The following STS subjects are often taken as electives in the Faculties of Science and Engineering and can be taken in any degree where 6 credit point upper level subjects are the norm. They do not count in the Bachelor of Arts or Bachelor of Communication and Media Studies, or as Arts subjects in their combined degrees.

STS 251	From Molecular Genetics to Biotechnology	N/O 2008	6
STS 306	Special Topics in the Social and Policy Aspects of Engineering	N/O 2008	6
STS 376	The Politics of Risk	Spring	6

Sociology

Sociology is the study of social life, cultural and social change and the social causes and consequences of human behaviour. By acquiring sociological skills students develop the ability to analyse a wide variety of social processes, institutions, causes of social change and the structures of groups and societies. Specific areas of study for sociologists include gender and social class, crime and punishment, race and ethnicity, the family, welfare and education reform, everyday life experiences, social movements, social change in Asia, sport and entertainment, and youth and popular culture.

Major Study

A major in Sociology consists of at least 54 credit points:

- at least 6 credit points of Sociology at 100- level in either SOC103 or SOC104
- at least 24 credit points at 200-level including SOC203 and SOC231 and an elective chosen from the list below;
- at least 24 credit points at 300-level in SOC subjects.

Minor Study

A minor in Sociology will consist of at least 28 credit points from the schedule of the major. It will include SOC103 or SOC104, as well as SOC203 and SOC231. It must not include more than two subjects at 100-level. Subjects in the minor may not be cross-counted with any other minor or major study.

Honours

See Bachelor of Arts (Honours)

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Study Program

Subjects		Session	Credit Points
100-Level: at least one of the following subjects			
SOC 103	Aspects of Australian Society	Autumn	6
SOC 104	Communication, Media and Society	Spring	6
200-Level: at least 24 credit points including SOC203 and SOC231.			
POL 290	Women in Society: Productive and Reproductive Labour	N/O 2008	8
SOC 203	Explaining Society	Autumn	8
SOC 205	Sociology of the Family	Spring	8
SOC 206	Youth and Popular Culture	N/O 2008	8
SOC 222	Crime, Criminality and Criminalisation	N/O 2008	8
SOC 224	Violence, Fear and Civilisation: the Evolution of States	Autumn	8
SOC 230	Body and Society	Spring	8
SOC 231	Social Analysis	Spring	8
SOC 242	Contemporary Issues in Society	N/O 2008	8
SOC 243	Contesting Asia: Culture, Diversity, Difference	Autumn	8
SOC 244	Punishment: Purpose, Practice, Policy	Spring	8
SOC 272	Sociology of Work	Spring	8
300-Level: at least 24 credit points			
SOC 302	Contemporary Social and Political Thought	Spring	8
SOC 303	The Individual in Society	N/O 2008	8
SOC 305	Race and Ethnic Studies	Spring	8
SOC 308	Social Policy and the Neoliberal State	N/O 2008	8
SOC 309	Social Movement and Community Activism	N/O 2008	8
SOC 310	The Third Sector	N/O 2008	8
SOC 318	Modernity, Development and Social Change	N/O 2008	8
SOC 325	Social Research Methods in Policy and Evaluation	Autumn	8
SOC 330	Gender and Society	Spring	8
SOC 334	Bread and Circuses	N/O 2008	8
SOC 341	Special Topics in Sociology	Autumn/Spring	8
SOC 349	Governing Society; The Self and the Social	N/O 2008	8

Spanish

A major in Spanish allows students to study Spanish language and Hispanic literature and culture either as beginners or advanced learners. Students who enter the major at post-HSC (or advanced) level will be exempted from some language subjects.

The purpose of the major in Spanish is to provide a course of study which allows any student, regardless of their background in the discipline, to include in their degree a specialisation in Spanish which will enable them to:

– comprehend normal spoken and written Spanish in any situation;

– express themselves clearly and accurately in spoken and written Spanish in a wide range of situations;

– use their increasing knowledge of the structure of the foreign language to move from dependence on formal instruction to ongoing independent acquisition of linguistic proficiency;

– gather and synthesise information on topics of current interest from different Spanish-language sources and in different media;

– gain a broad overview of Hispanic cultural and literary traditions;

– recognise and respond personally to culture-specific information and cultural suppositions in Spanish source material, and to differences between Hispanic culture and their own cultural heritage;

– make effective use of linguistic resources such as bilingual dictionaries, Web searches, and descriptive grammars;

– better understand the structure and the communicative resources of their own language;

– include one or two semesters of study abroad in a Spanish-speaking country at an exchange university as part of their Wollongong undergraduate degree.

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Major Study

A major in Spanish for beginners or near beginners consists of 66 credit points, and must include 18 credit points at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below. Students who have achieved a strong 2 Unit HSC pass or equivalent may choose to enter the language sequence at the level of SPAN251, and complete a 54 credit points major comprising 6 credit points (civilisation) at 100-level, 24 credit points at 200-level and 24 credit points at 300-level, as set out below.

All students wishing to enter the Spanish major at the level of SPAN251 must obtain formal approval from the Spanish co-ordinator.

Subject to the pre-requisites listed in the subject database, language and literature/civilisation subjects may be taken independently of one another, e.g. Spanish for Beginners I may be taken without also taking SPAN110. However, students wishing to complete a major in Spanish must complete the sequence set out below.

Native or near-native speakers, whose major also consists of 54 credit points, may be granted waivers for SPAN251 and SPAN252. Such waivers will be granted only at the time of first enrolment in Spanish, in accordance with the Program's policy and with the formal approval of the Spanish co-ordinator or the Convenor of Program. Replacement subjects to make up the 54 credit points for the major are to be chosen from the additional subjects listed below. Credit may be granted for language courses taken at University level in accordance with established University of Wollongong guidelines.

Minor Study

A minor study in Spanish consists of four sequential subjects in Spanish. The minor will consist of 28 or 32 credit points of language study (28 credit points for students beginning at 100 -level and 32 credit points for students beginning at upper levels). Students may not cross-count any subjects from the minor in any other minor or major study.

Example: A student beginner could take a minor by studying SPAN151, SPAN152, SPAN251 and SPAN252.

A student who had studied Spanish to HSC level and was commencing university Spanish at second level could take a Minor by studying SPAN251, SPAN 252, SPAN 351 and SPAN352.

Whilst the minor will not be stipulated on the student's testamur at graduation, it will be recorded on the academic transcript.

Study Program

Subjects	Title	Session	Credit Points
100-level			
SPAN110	The Hispanic World	Spring	6
SPAN151	Spanish for Beginners I	Autumn	6
SPAN152	Spanish for Beginners II	Spring	6
200-level			
SPAN251	Spanish Intermediate I	Autumn	8
SPAN252	Spanish Intermediate II	Spring	8
LING210	Communicating in a Foreign Language	Autumn	8
300-level			
SPAN351	Advanced Spanish I	Autumn	8
SPAN352	Advanced Spanish II	Spring	8
LANG305	Literature and Society in Renaissance Europe	Autumn	8
Depending on availability, additional subjects may be taken from:			
POL230	Latin America: Conquest and Civilisation	Spring	8
SPAN361	Guided Study in Spanish I	Autumn/Spring	8
SPAN362	Guided Study in Spanish II	Autumn/Spring	8
SPAN391	Spanish Study Abroad A	Autumn/Spring/ Summer (Spain) Autumn/Spring/ Summer (Mexico)	8
SPAN392	Spanish Study Abroad B	Autumn/Spring/ Summer (Spain) Autumn/Spring/ Summer (Mexico)	8
SPAN393	Spanish Study Abroad C	Autumn/Spring/ Summer (Spain) Autumn/Spring/ Summer (Mexico)	8
LANG371	Advanced Studies in Language/Culture A	Autumn/Spring	8

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LANG372	Advanced Studies in Language/Culture B	Autumn/Spring	8
LANG373	Advanced Studies in Language/Culture C	Autumn/Spring	8

War and Society

War has long pre-occupied scholars from a broad range of disciplines. It has been a dominant element in notions of empire and nation-building, popular culture, creative writing, film, television and memory. War has both united and divided societies and it has affected public and social policy. It reaches from the international arena to the homes of individual families. War has been both demonised and glorified – and is a touchstone in debates over gender. The War and Society major is a broad interdisciplinary major that examines the way war has been represented and analysed from different disciplinary perspectives. Implicit in the major are questions about the nature of war, its definitions, its economic, political and social aspects, and its consequences.

Major Study

A major in War and Society consists of a minimum of 52 credit points. The subjects making up the major are to be chosen from the list below, with 24 credit points at 300 level including WAR 300 as the compulsory subject.

Minor Study

A minor in War and Society consists of a minimum of 28 credit points including WAR 300.

Honours

See Bachelor of Arts (Honours)

Subjects		Session	Credit Points
100-Level			
HIST107	Empires, Colonies and the Clash of Civilisations	Spring	6
HIST124	The Cold War and After	Autumn	6
200-Level			
HIST203	Australians and the Great War	N/O 2008	8
HIST230	Gallipoli Study Tour	Winter	4
HIST232	Russia in War and Revolution	Autumn	8
HIST260	War, Military Revolution and the Rise of the State, 1340-1660	Spring	8
HIST288	Religion and Military Rule in South East Asia	N/O 2008	8
POL 225	International Relations: An Introduction	Autumn	8
POL 230	Latin America: The Politics of Conquest	Spring	8
SOC 224	Violence, Fear and Civilisation	Autumn	8
300-Level			
ABST300	Indigenous Theories of Decolonisation	Spring	8
ENGL337	Sex, Power and Chivalry	Spring	8
EURO320	Nations Without States in the European Union	Autumn	8
HIST300	Reporting War: A History	N/O 2008	8
HIST322	Nazism, Stalinism and World War Two	Autumn	8
HIST339	Australians and War: Kokoda to Iraq	N/O 2008	8
HIST341	The Struggle for Europe, 1494-1713	N/O 2008	8
HIST381	Comparative Indigenous History	Spring	8
POL 303	Peacekeeping, Sovereignty and Global Order	Spring	8
POL 368	Protest and Power: America in the Sixties	Autumn	8
STS 390	Media, War and Peace	Spring	8
WAR 300	War and Society	Autumn	8

Economics
(Taught by the Faculty of Commerce)

Major Study

The Economics major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.

Students wishing to undertake this major should refer to the Course Structures of the Bachelor of Commerce.

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Students are required to take the 8 subjects as set out in the major study (48 credit points), and will also need to satisfy any subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Subjects required for major study:

Code	Subject	Session	Credit Points
ECON205	Macroeconomic Theory and Policy	Autumn/Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6
ECON222	Quantitative Methods II	Autumn/Spring	6
ECON305	Economic Policy	Spring	6
ECON316	History of Economic Thought	Autumn	6
OR			
ECON304	The Historical Foundations of the Modern Australian Economy	Spring	6

Plus 18 credit points, 12 of which must be from 300-level Economics subjects and the other 6 from 200- or 300-level Economics subjects.

Students are required to take the subjects as set out in the major study (48 credit points), and will also need to satisfy any subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Education (Taught by the Faculty of Education)

Major Study

Education may be undertaken as a second major in the Bachelor of Arts (course code 702), provided that the first major is selected from one of the major studies offered by the Faculty of Arts (including Aboriginal Studies) and provided that all the degree requirements are met.

A major in Education in the Bachelor of Arts is made up of at least 48 credit points chosen as follows:

– Students must successfully complete EDFE101, EDUF311 and EDUF212

PLUS a further 30 credit points from the Elective subjects listed below.

Subjects may also be selected from those listed in the Education Course Structures with an EDUE prefix. (It should be noted that enrolment quotas apply). Related disciplines, such as Communication Studies, English Language and Linguistics, Psychology or Sociology, may be studied if approved by the Faculty of Education - BA (Education) Coordinator.

The undergraduate degrees in the Faculty of Education have recently been reviewed. From 2007, awards and new programs of study have been developed and will be rolled out between 2007 and 2011. Please note this program may be subject to change.

Subjects		Session	Credit Points
Core Subjects			
EDFE101	Education Foundations 1: Learning and Development	Autumn	6
EDUF311	Education III	Autumn	6
EDFE202	Educational Foundations 2: Social Cognition and Communication in Learning	Spring	6
EDUF212	Education II	Spring	6
Electives			
EDUC291	Youth Culture Education	Autumn	8
EDET302	Program and Methodology in Second Language Teaching	Autumn	6
EDET402	Teaching English in International Contexts	Autumn	6
EDUE411	Disability Issues Across the Life span	Autumn	6
EDUT301	Research Methods	Autumn	6
EDUE301	Issues in Aboriginal Education	Autumn	6
EDUE302	Aboriginal Pedagogy	Spring	6
EDUC292	Gender and Social Justice	Spring	8

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EDEK401	Teaching Reading and Writing to Second Language Learners	Spring	6
EDUE412	Programming for Individuals with Moderate to Severe Disabilities	Spring	6
EDUE340	Materials and Technology in Second Language Teaching	Spring	6
EDUZ401	Education Honours	Annual	24
EDEL302	Children's literature in the Early Years	N/O 2008	6
EDLE301	Learners with Exceptional Needs	N/O 2008	6
EDER301	Educational Research and Action Learning	N/O 2008	6
EDEE302	Educational Psychology in Teaching and Learning	N/O 2008	6
EDEC302	The Psychology of Exceptional Children	N/O 2008	6
EDTD302	Teaching for Diversity	N/O 2008	6
EDET401	Teaching Speaking and Listening to Second Language Learners	N/O 2008	6

Human Geography or Physical Geography (Taught by the Faculty of Science)

Major Study

Human Geography or Physical Geography may be undertaken as a second major in the Bachelor of Arts, provided that the first major is selected from one of the major studies offered by the Faculty of Arts, and also provided that all the degree requirements are met. Students wishing to major in Human Geography can follow the course structure outlined below. Students wishing to major in Physical Geography in the BA degree must complete 60 credit points as outlined in the course structures for the Bachelor of Science (course code 742). (You are not required to complete the additional elective subjects). Please refer to the course structures of the Bachelor of Science for details of the major. Students anticipating a career in teaching would be well advised to choose options from both physical and human geography, and may also choose Geology subjects depending on the prerequisites.

Human Geography

Human Geography encompasses the study of human societies and human environments. Understanding and helping to resolve conflicts and crises makes Human Geography an immediately socially-relevant discipline. Human Geographers make an essential contribution to environmental management, urban planning, and the management of social and economic change.

Subjects		Session	Credit Points
100-Level			
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
Total for major at 100-level :12			
200-Level			
EESC212	Geographical Population Studies	Autumn	8
EESC211	Rural and Urban Social Geography	Spring	8
Plus at least one other subject chosen from the Earth and Environmental Sciences schedule at 200-level. Recommended options include:			
EESC213	Introduction to Spatial Science	Spring	8
EESC214	Discovering Downunder: A Geography of Australia	Spring	8
EESC215	Environmental Impact of Societies	Spring	8
Total for major at 200-level: 24			
300-Level			
EESC307	Spaces, Places and Identities	Autumn	8
EESC308	Environmental and Heritage Management	Spring	8
Plus at least one other subject chosen from the Earth and Environmental Sciences schedule at 300-level. Recommended options include:			
EESC305	Remote Sensing of the Environment	Autumn	8
EESC304	Geographic Information Science	Spring	8
EESC310	Water Resources and Management	Spring	8
Total for major at 300-level: 24			

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Legal Studies
(Taught by the Faculty of Law)

Note: Legal studies subjects are not designed to prepare students to be practising lawyers.

Major Study

The Legal Studies major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts. Students wishing to major in legal studies in the Bachelor of Arts degree must complete 54 points of Legal Studies subjects at Pass Grade or better. LAW100 Law in Society is a compulsory subject in the BA major study. At least 24 credit points of the major study must be taken at the 300-level.

NOTE: The Legal Studies major is not available to students enrolled in the Bachelor of Arts - Bachelor of Laws degree.

Study Program

Study program subjects are provided by the Faculty of Law

Subjects		Session	Credit Points
Core Subjects			
LAW 101	Law, Business and Society	Autumn	6
Elective: 200-Level			
LAW 210	Contract Law	Spring	6
Electives: 300-Level			
LAW 302	Law of Business Organisations	Autumn	6
LAW 303	Children, Families and the Law	Spring	6
LAW 304	Criminal Law and the Process of Justice	N/O 2008	6
LAW 308	Administrative Law	Autumn	6
LAW 315	Taxation Law	Spring	6
LAW 316	Occupational Health and Safety Law	Autumn	6
LAW 317	E-Commerce Law	N/O 2008	6
LAW 330	Law of Employment	Autumn	6
LAW 331	Intellectual Property Law	Autumn	6
LAW 332	Labour Regulation	Spring	6
LAW 334	Environmental Law	Spring	6
LAW 335	Anti-Discrimination Law	N/O 2008	6
LAW 343	International Law	Autumn/Spring	6
LAW 344	Indigenous Peoples and Legal Systems	N/O 2008	6
LAW 348	Media Law	Autumn	6
LAW 352	Advanced Taxation Law	N/O 2008	6
LAW 360	Foreign Investment Law in the People's Republic of China	N/O 2008	6

Additional Information

The maximum number of class hours will not exceed an average of four hours per week per subject. The subject program will specify the actual class hours required for each subject. Seminars normally commence in the first week of session. Students are asked to indicate their preferred seminar/tutorial times prior to the commencement of session.

Important: There may be some restrictions on class sizes in Legal Studies subjects. Accordingly, students are strongly advised to finalise their enrolment in Legal Studies subjects for both Autumn and Spring sessions as early as possible, preferably before the commencement of the academic year. In certain instances, adding Legal Studies subjects after the enrolment or re-enrolment dates may not be possible.

Management
(Taught by the Faculty of Commerce)

Major Study

The Management major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.

Students wishing to undertake this major should refer to the course structures of the Bachelor of Commerce.

Students are required to take 8 subjects as set out in the major study (48 credit points) and will also need to satisfy the subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core

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subjects of the Bachelor of Commerce, nor the integrated subject, which is a requirement of the major in the Bachelor of Commerce.

Subjects required for major study:

Subjects		Session	Credit Points
MGMT102	Business Communications	Autumn	6
MGMT201	Organisational Behaviour	Autumn	6
MGMT206	Managing Human Resources	Autumn/ Spring	6
MGMT220	Organisational Analysis	Spring	6
MGMT311	Management of Change	Spring	6
MGMT314	Strategic Management	Autumn/ Spring	6
MGMT316	Operations Management	Spring	6
MGMT350	Quality Management	Spring	6

Marketing
(Taught by the Faculty of Commerce)

Major Study

The Marketing major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.

Students wishing to undertake this major should refer to the course structures of the Bachelor of Commerce. Students are required to take the 8 subjects as set out in the major study (48 credit points) and will also need to satisfy any subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Subjects required for major study:

Subjects		Session	Credit Points
MARK201	Applied Marketing Research A	Autumn	6
MARK202	Applied Marketing Research B	Spring	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
MARK301	Internet Applications for Marketing	Spring	6
MARK333	Marketing Communications & Advertising	Autumn	6
MARK343	International Marketing	Autumn	6
MARK344	Marketing Strategy	Spring	6

Psychology

(Taught by the Faculty of Health & Behavioural Sciences)

Single Major

Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

Students of the BA will complete the program of study outlined below for a major in Psychology. Additional subjects should be taken in line with the degree requirements to complete the degree.

Double Majors

Students may undertake a double major in:

- Population Health and Psychology
- Psychology and Biology
- Psychology and Exercise Science

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– Psychology and Nutrition

Honours

Honours in Psychology is a fourth year of study accredited by the Australian Psychological Society (APS). It is offered on a one year full-time or two year part-time basis. Psychology Honours is a route to the Postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a Psychologist with the Psychologist's Registration Board of New South Wales - a post degree supervision period also being required. Graduates of the University of Wollongong with a major in Psychology are eligible for admission to Psychology Honours provided that: they have completed an undergraduate degree curriculum with a major in psychology; they have completed PSYC249 Applied Psychology, PSYC348 History and Metatheory of Psychology and PSYC354 Design and Analysis; they have completed at least 76 credit points of Psychology subjects at 200- and 300- levels; they have at least a credit average for Psychology subjects at 200- and 300- levels.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW it is necessary to complete an accredited 4-year course of study plus 2 years supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

Subjects		Session	Credit Points
PSYC121	Foundations in Psychology A	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
PSYC231	Personality	Autumn	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC250	Quantitative Methods	Autumn	6
PSYC347	Assessment and Intervention	Autumn	8
And two electives, of which there must be at least one of the following:			
PSYC345	Advanced Topics in Cognition	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC315	Psychology of Abnormality	Spring	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC354	Design and Analysis	Spring	8

Other Information

Subjects to the total value of 144 credit points are required for the degree. Subjects to a value of at least 90 credit points must be selected from the Health and Behavioural Sciences or the Arts schedules. The remaining 54 credit points can be chosen from Health and Behavioural Sciences, Arts, or the General Schedule. Students may undertake no more than 60 credit points of 100-level subjects. Students should refer to the Award Rules for the Bachelor of Arts (Course Code 708) for further details.

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Bachelor of Arts (Community, Culture and Environment)

Testamur Title:	Bachelor of Arts (Community, Culture and Environment)
Abbreviation:	BA
Home Faculty:	Faculty of Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Varies according to location
Starting Session(s):	Autumn/Spring
Location:	Batemans Bay, Bega, Moss Vale, Shoalhaven
UOW Course Code:	BB702, BE702, MV702, SH702
UAC Code:	753106, 753107, 753108, 753102
CRICOS Code:	000612E

Overview

The Bachelor of Arts (Community, Culture and Environment) is an interdisciplinary degree based on a range of subjects offered by the Faculties of Arts and Science and the Woolyungah Indigenous Centre. Electives can also be taken from subjects offered by the Faculties of Commerce, Education and Law as part of the degree. It is offered for students enrolled at the Batemans Bay, Bega, Moss Vale and Shoalhaven campus and centres.

The subjects offered in the degree have been chosen to reflect its themes, community, culture and environment. Subjects offered by Sociology and Politics inform the theme of community, those offered by English, History and Media and Cultural Studies inform the cultural theme and those offered by Earth Sciences and Science and Technology Studies inform the environmental theme. However, many of the subjects offered will often combine two of the themes listed in the degree, especially the subjects offered by the Woolyungah Indigenous Centre.

Although the basic focus of the degree is Australia, Australia cannot be studied in isolation and the degree therefore includes a number of subjects designed to provide a broader context for matters Australian.

The degree provides a broad general education for its students with an emphasis on the skills associated with the humanities and social sciences traditionally associated with an Arts degree: analysis and the use of evidence, the construction of convincing arguments in written and oral forms, the development of writing and presentation skills and a capacity to question and engage in debate are amongst these.

Subjects offered use a range of delivery styles including videoconferencing, edustreaming, web-based and online delivery and face-to-face classes on each of the sites. The style of delivery varies from subject to subject.

Entry Requirements/Advanced Standing

For information on Advanced Standing and Entry see the entry for the Bachelor of Arts course code 702.

The Major, Community, Culture and Environment

The degree's major reflects its name, Community, Culture and Environment. The major requires a minimum of 54 credit points and must include ARTS 112, 24 credit points at 200 level and 24 credit points at 300 level from the schedule of subjects offered for the degree.

Double majors

Students may also take a second major subject to the same conditions that govern the Bachelor of Arts 702. However, this will require attendance at the Wollongong campus. All majors appear on the testamur awarded at graduation.

Minors

The degree also offers minors in the following areas:

Aboriginal Studies

English Literatures

Environmental Studies*

History

Media and Cultural Studies

Politics

Sociology

*Subject to final approval

Minors do not appear on the testamur but do appear on the transcript (i.e. the academic record).

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Course Requirements

To qualify for award of the degree of Bachelor of Arts course code 702BB, 702BE, 702SH or 702MV a student must complete a total of at least 144 credit points from subjects listed in the Course Structures of the Bachelor of Arts offered by member units of the Faculty of Arts and other subjects as approved by the Faculty.

The 144 credit points shall include:

a) for course code 702BB, 702BE, 702SH or 702MV, the subjects prescribed for the major in Community, Culture and Environment;

b) for the major 24 credit points at 300 level at a pass grade or better in subjects offered by member units of the Faculty of Arts for the degree;

c) not more than 60 credit points in 100-level subjects.

Students may count no more than 26 credit points of PC (Pass Conceded) or PR (Pass Restricted) grades towards the 144 required for the degree.

Where a double major is taken, both shall meet the requirements of the majors as prescribed by the faculty. A candidate for course code 702BB, 702BE, 702SH or 702MV who has registered for two major studies, for which there are common subjects at any level may count one subject twice towards the requirements of the major studies, but may only count the credit points once towards the credit points required by the course.

Minor studies for course code 702BB, 702BE, 702SH or 702MV consists of a minimum of 28 credit points of which no more than 12 credit points at 100 level. Students may not cross count subjects from a nominated minor into any other minor or major.

Honours

See Bachelor of Arts (Honours). Honours Students completing a major in Community, Culture and Environment can undertake Honours in their fourth year. To undertake Honours, students need to have completed the Community, Culture and Environment major with an average of at least 70% with two Distinctions in two of the three subjects required to complete the major at 300 level. The Faculty of Arts Honours Handbook can be accessed as a PDF document from the Faculty of Arts home page at: http://www.uow.edu.au/arts/

Subjects on offer 2008

Subjects		Session	Credit Points
100-Level Subjects:			
ABST150	Introduction to Aboriginal Australia	Autumn/Spring	6
ARTS112	People and Place	Autumn	6
ERLS100	Introduction to Employment Relations and Labour Studies	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
ELL 161	English for Academic Purposes: a First Language Perspective	Autumn	6
ELL 171	An Introduction to Systemic Functional Linguistics	Spring	6
ENGL120	An Introduction to Literature and Screen Studies	Autumn	6
PHIL151	Practical Reasoning	Spring	6
POL 121	Politics in a Globalising World	Spring	6
SMAC100	Thinking about Societies, Technologies and Cultures	Autumn	6
200-Level Subjects:			
ABST200	Aboriginal Identities: History and Contested Knowledge	Spring	8
ABST201	Redefining Eden: Indigenous Peoples and the Environment	Autumn	8
ARTS211	Social Science Perspectives on Health and Illness	Autumn	8
EESC211	Rural and Urban Social Geography	Spring	8
ENGL260	Nineteenth Century Australian Literary Culture	Autumn	8
HIST239	A Cultural History of Water	Spring	8
MACS200	Media Events and Rituals	Spring	8
POL 222	Australian Public Policy	Autumn	8
SOC 231	Social Analysis	Spring	8
STS 218	Environment in Crisis: Technology and Society	Spring	8
300-Level Subjects:			
ABST300	Indigenous Theories of Decolonisation	Spring	8
ENGL337	Sex, Power and Chivalry: Medieval to Modern Literature	Spring	8
ENGL375	Australia Fair: Nation, 'Race' and Culture	Spring	8

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HIST322	Nazism, Stalinism and World War Two	Autumn	8
HIST334	Regional History	Autumn	8
MACS357	Television Cultures	Spring	8
POL 323	North and South	Spring	8
SOC 325	Social Research Methods in Policy and Evaluation	Autumn	8
STS 300	The Environmental Context	Autumn	8

Minor Study in Environmental Studies*

*Only available as part of the Bachelor of Arts (Community, Culture and Environment).

On completing this minor, students will have a recognised minor specialisation on one of the three themes offered in the degree, the environmental theme. They will be able to place the current environmental debate within an intellectual and social context.

Subjects		Session	Credit Points
Students must complete the following 28 credit points			
EESC104	The Human Environment: Problems and Change	Spring	6
EESC211	Rural and Urban Social Geography	Spring	8
STS 218	Environment in Crisis: Technology and Society	Spring	8
STS 300	The Environmental Context	Autumn	8

Bachelor of Arts (Dean's Scholar)

Testamur Title:	Bachelor of Arts (Dean's Scholar)
Abbreviation:	BA (Dean's Scholar)
Home Faculty:	Faculty of Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	702A
UAC Code:	753105
CRICOS Code:	000612E

Overview

The Dean's Scholar Degree provides an academic space for high-achieving single degree Arts students. With a limited intake of students per year, it aims to provide an enriched educational experience for highly motivated Arts students who are hoping to make a contribution to their field of study through teaching or research, or by working as professionals in their chosen area of study.

To remain in the program, Dean's Scholars must maintain an average of 75% in each year of study. If the student's average falls below 75%, the student will be transferred into the Bachelor of Arts 702.

As a Bachelor of Arts degree, the Dean's Scholar degree is flexible. For example, Dean's Scholars have the opportunity to attempt subjects not normally available to first-year students. They may be granted exemption from certain first-year subjects and may be permitted extended subject loads, enabling them to complete the degree in under the normal time and enter Honours in their third year. Each Dean's Scholar has an academic mentor, a member of academic staff who undertakes to offer advice in the scholar's major area of study.

Dean's Scholars are able to use the University's student exchange program to undertake a period of study overseas, and several Dean's Scholars have competed successfully for places in the Australian National Internship Program which enables them to undertake a one-session placement in Canberra, usually on the staff of a member of parliament or the Internship Program that places them in the Capitol in Washington D.C.

The Dean's Scholar degree is not a scholarship. Students intending to apply for a place in this degree are encouraged to apply for a University of Wollongong undergraduate scholarship separately.

Majors and Minor studies

Dean's Scholars must undertake one major study from the Faculty of Arts and may take any of the minor studies areas as set out under the earlier in this Handbook under the entry for the Bachelor of Arts 702.

For information on Advanced Standing see the entry for the Bachelor of Arts course code 702.

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Entry requirements

Entry to the Bachelor of Arts (Dean's Scholar) is based on a UAI set by the Faculty and interview.

Course Requirements

To qualify for award of the degree of Bachelor of Arts 702 a Dean's Scholar a student must complete a total of at least 144 credit points from subjects listed in the Course Structures of the Bachelor of Arts offered by member units of the Faculty of Arts and other subjects as approved by the Faculty.

The 144 credit points shall include:

a) the subjects prescribed for one of the majors listed in the Course Structures for that degree and offered by member units of the Faculty of Arts;

b) for majors offered by the member units of the Faculty of Arts 24 credit points at 300 level at a pass grade or better in subjects offered by member units of the Faculty of Arts;

c) not more than 60 credit points in 100-level subjects;

d) maintain an average mark of 75% or better.

Students may count no more than 26 credit points of PC (Pass Conceded) or PR (Pass Restricted) grades towards the 144 required for the degree.

Where a double major is taken, both shall meet the requirements of the majors as prescribed by the faculty. A candidate for course code 702A who has registered for two major studies, for which there are common subjects at any level may count one subject twice towards the requirements of the major studies, but may only count the credit points once towards the credit points required by the course.

Minor studies for course code 702A consists of a minimum of 28 credit points of which no more than 12 credit points at 100 level. Students may not cross count subjects from a nominated minor into any other minor or major.

Major Study Areas from the Faculty of Arts

Students enrolled in the Bachelor of Arts within the Faculty of Arts must take one of these majors:

- Aboriginal Studies
- Asia-Pacific Studies
- Australian Studies
- Community, Culture and Environment*
- Employment Relations
- English Language and Linguistics
- English Literatures
- European Studies
- French
- Gender Studies
- History
- Information Studies
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Resource and Environmental Studies
- Science, Technology and Society
- Sociology
- Spanish
- War and Society

*available at the Shoalhaven Campus and the Bega, Batemans Bay and Moss Vale access centres only. For details see the Bachelor of Arts (Community and Environment).

Minor Studies

Students enrolled in the Bachelor of Arts within the Faculty of Arts may choose from the following minors:

- Aboriginal Studies
- Asia-Pacific Studies
- Australian Studies

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- Employment Relations
- English Language and Linguistics
- English Literatures
- Environmental Studies*
- European Studies
- French
- Gender Studies
- History
- Information Studies
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Resource and Environmental Studies
- Science, Technology and Society
- Sociology
- Spanish
- War and Society

*available at the Shoalhaven Campus and the Bega, Batemans Bay and Moss Vale access centres only.

Internship and International Subjects

(See subject descriptions for more information on these subjects)

ARTS201	Introduction to Australia for International Students
ARTS202	International Studies
ARTS301	Arts Internship
POL301	Politics Internship (for students taking the Australian National Internship Program or Washington Internship)

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Honours - see Bachelor of Arts (Honours)

Students who successfully complete the Bachelor of Arts (Dean's Scholars) Degree will be accepted into the Bachelor of Arts (Honours), provided that supervision is available in the Faculty for their proposed thesis topic.

The Faculty of Arts Honours Handbook can be accessed as a PDF document.

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Bachelor of Arts (Honours)

Testamur Title:	Bachelor of Arts (Honours)
Abbreviation:	BA (Hons)
Home Faculty:	Faculty of Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Mostly face-to-face. (In the case of Community, Culture and Environment Honours, students will be taught primarily by flexible delivery mode).
Starting Session(s):	Normally autumn, but some schools permit mid-year entry
Location:	Wollongong
UOW Course Code:	701
UAC Code:	N/A
CRICOS Code:	000611F

Overview

Honours is a fourth year of study added on to the end of an undergraduate degree. For some students, it gives them an employment advantage in their post University careers. The Honours year also functions in the university curriculum as a bridge between undergraduate study and postgraduate research. It offers a unique opportunity to study a chosen discipline or interdisciplinary area in depth and to undertake a personalised research project working closely with a supervisor who is an established expert in the field of study being undertaken. As an entry point for postgraduate research students, it provides a stimulating and supportive environment in which students formulate ideas, engage in debate, develop research skills and acquire the critical tools that will equip them for a research career. To move into a postgraduate research degree, the minimum requirement is a class II division 2 (II.2) grade.

Students can take an Honours program in a disciplinary area, an interdisciplinary area or in a joint Honours program. Joint Honours can only be undertaken if a student has completed a double major. Irrespective of what they choose to do, students considering Honours are encouraged to talk to the School Honours Coordinators or the Faculty Honours Coordinator well in advance to discuss their program, and negotiate a thesis topic and supervisors.

Entry Requirements

To qualify for entry into Honours, students must have qualified at this University for a pass bachelor degree with an average of at least 70% across the major (or majors) in which the Honours degree will be undertaken with the additional requirement of a Distinction in two of the 300 level subjects required by the major. To enter the Honours year, students need to submit an application through UniAdvice. Applications for disciplinary Honours go to the relevant School Honours Coordinator. Applications for interdisciplinary Honours (including applications for Community, Culture and Environment Honours) go to the Faculty Honours Coordinator.

Applicants from other tertiary institutions are also required to meet the same requirements. In exceptional cases, admission will be granted after the applicant has successfully completed other requirements set by the relevant Honours Coordinator.

Course Requirements

Irrespective of the Honours program chosen, the program consists of coursework (which makes up 50% of the final mark) and a research thesis (which makes up 50% of the final mark).

Grade of Honours

The overall grade of Honours is determined by calculation of the weighted average mark (WAM) for the 400-level subject in which the student is enrolled. Honours are awarded in the following categories:

Class I (WAM 85 to 100%)

Class II, Division 1 (WAM 75 to less than 85%)

Class II, Division 2 (WAM 65 to less than 75%)

Class III (WAM 50 to less than 65%)

If the WAM is below 50%, an Honours grade is not awarded.

Areas of Study in Honours

An Honours year in the Faculty of Arts is available in the following areas:

Aboriginal Studies

Communication and Cultural Studies

Community, Culture and Environment*

Employment Relations

English Language and Linguistics

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English Literatures
European Studies
French
History
Interdisciplinary Honours
Italian
Japanese
Philosophy
Politics
Science, Technology and Society
Sociology
Spanish
War and Society

*Available at Batemans Bay, Bega, Moss Vale and Shoalhaven only.

Honours Guide and Code of Practice (Honours)

The Faculty of Arts Honours Guide provides detailed information on all Honours courses. It is provided in hard copy to all honours students can be accessed as a PDF document at the following web address: www.uow.edu.au/arts/current/honsb.pdf

Students are advised to refer to the following University of Wollongong web site for access to the Code of Practice - Honours: www.uow.edu.au/handbook/honourscode.html

Enrolment

Full-time students enrol in one 24 credit point subject each session. Part-time students enrol in the 12 credit point equivalent each session.

Subjects		Session	Credit Points
School of English Literatures, Philosophy and Languages			
ELL 451	Honours in English Language and Linguistics	Autumn/Spring	24
ELL 452	Honours in English Language and Linguistics (PT)	Autumn/ Spring	12
ENGL411	English IV Honours	Autumn/ Spring	24
ENGL412	English IV Honours (PT)	Autumn/ Spring	12
ENGL421	Combined Honours (English)	Autumn/ Spring	24
ENGL422	Combined Honours (English) (PT)	Autumn/ Spring	12
EURO411	European Studies Honours	Autumn/ Spring	24
EURO412	European Studies Honours (PT)	Autumn/ Spring	12
FREN451	French IV Honours	Autumn/ Spring	24
FREN452	French IV Honours (PT)	Autumn/ Spring	12
ITAL451	Italian IV Honours	Autumn/ Spring	24
ITAL452	Italian IV Honours (PT)	Autumn/ Spring	12
JAPA451	Japanese IV Honours	Autumn/ Spring	24
JAPA452	Japanese IV Honours (PT)	Autumn/ Spring	12
LANG431	Combined French and Italian Honours	Autumn/ Spring	24
LANG432	Combined French and Italian Honours (PT)	Autumn/ Spring	12
PHIL411	Philosophy Honours	Autumn/ Spring	24
PHIL412	Philosophy Honours (PT)	Autumn/ Spring	12
PHIL421	Combined Philosophy Honours	Autumn/ Spring	24
PHIL422	Combined Philosophy Honours (PT)	Autumn/ Spring	12
School of History and Politics			
HIST411	History IV (Honours)	Autumn/ Spring	24
HIST412	History IV (Honours) (PT)	Autumn/ Spring	12
HIST431	Joint Honours in History and another Discipline	Autumn/ Spring	12
HIST432	Joint Honours in History and another Discipline (PT)	Autumn/ Spring	6

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POL411	Politics IV (Honours)	Autumn/ Spring	24
POL412	Politics IV (Honours) (PT)	Autumn/ Spring	12
POL431	Joint Honours in Politics and another Discipline	Autumn/ Spring	24
POL432	Joint Honours in Politics and another Discipline (PT)	Autumn/ Spring	12
School of Social Sciences, Media and Communication			
MACS411	Media and Cultural Studies Honours	Autumn/ Spring	24
MACS412	Media and Cultural Studies Honours (PT)	Autumn/ Spring	12
MACS421	Joint Honours in Media and Cultural Studies and another Discipline	Autumn/ Spring	24
MACS422	Joint Honours in Media and Cultural Studies and another Discipline (PT)	Autumn/ Spring	12
SOC411	Sociology Honours	Autumn/ Spring	24
SOC412	Sociology Honours (PT)	Autumn/ Spring	12
SOC461	Joint Honours in Psychology and Sociology	Autumn/ Spring	24
SOC462	Joint Honours in Psychology and Sociology (PT)	Autumn/ Spring	12
SOC421	Joint Honours in Sociology and another Discipline	Autumn/ Spring	24
SOC422	Joint Honours in Sociology and another Discipline (PT)	Autumn/ Spring	12
STS411	Science, Technology and Society Honours	Autumn/ Spring	24
STS412	Science, Technology and Society Honours (PT)	Autumn/ Spring	12
STS431	Joint Honours in Science, Technology and Society and another Discipline	Autumn/ Spring	24
STS432	Joint Honours in Science, Technology and Society and another Discipline (PT)	Autumn/ Spring	12
Community and Environment			
ARTS411	Community, Culture and Environment Honours	Autumn/Spring	24
ARTS412	Community, Culture and Environment Honours (PT)	Autumn/Spring	12
Aboriginal Studies			
ABST411	Aboriginal Studies Honours (FT)	Autumn/Spring	24
ABST412	Aboriginal Studies Honours (PT)	Autumn/Spring	12
ABTS431	Joint Honours in Aboriginal Studies and another Discipline (FT)	Autumn/Spring	24
ABST432	Joint Honours in Aboriginal Studies and another Discipline (PT)	Autumn/Spring	12
All Schools			
ARTS450	Interdisciplinary Honours (FT)	Autumn/Spring	24
ARTS451	Interdisciplinary Honours (PT)	Autumn/Spring	12
ARTS421	Joint Honours (Arts and other Faculties)	Autumn/Spring	12
ARTS422	Joint Honours (Arts and other Faculties) (PT)	Autumn/Spring	6

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Bachelor of Communication and Media Studies

Testamur Title:	Bachelor of Communication and Media Studies
Abbreviation:	BCM
Home Faculty	Faculty of Arts
Course Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly Face-to-face
Starting Session(s):	Autumn/Spring
Campus:	Wollongong
UOW Course Code:	798
UAC Code:	753109 (Journalism)
	753110 (Screen Studies)
	753111 (Advertising and Marketing)
	753113 (Digital Communication)
CRICOS Code:	045471G

Overview

The Bachelor of Communication and Media Studies is an interdisciplinary degree spread across three faculties. It offers students a critical perspective on media industries and practices and a range of flexible and transferable skills that will prepare graduates for informed engagement with professionals in media and communications fields and may provide employment opportunities in digital communications, media, advertising and journalism.

The degree is structured around a major which consists of a set of core subjects that provide context for, and linkages with, the specialisations offered by the degree. The specialisations offer students the chance to engage with more specific applications of the theoretical elements provided by the major. One of the strengths of the degree is the chance it gives students to engage with a particular area of interest which they can complement by taking other subjects offered by the Faculty and the University. Students with an interest in Journalism, for example, find subjects in Politics are often relevant. Students with an interest in marketing find subjects offered by the Commerce Faculty relevant.

The Major

The major for this degree is a prescribed major of 56 credit points which means that students need to complete every subject in the list below. Depending on how students plan their degree, they can also take a double major, combining the major prescribed for this degree and another taken from the Faculty of Arts or another faculty provided they meet the requirements for the requirements of the major.

Specialisations

The degree offers four specialisations: Advertising and Marketing, Digital Communication, Journalism and Screen Studies. Students must take at least one of these specialisations to meet the requirements of the degree but can take more than one of the specialisations if they so wish.

Electives

Students can make up the 144 credit points for the degree by taking subjects as electives. These may include subjects within the specialisations or by taking subjects from those offered by Arts or other faculties provided they meet any prerequisites required.

Minors

Minors, which often supplement the specialisations studied, will also be credited to the degree.

Honours

See separate entry for the Bachelor of Arts (Honours)

The Faculty of Arts Honours Handbook can be accessed as a PDF document from the Faculty of Arts home page at: http://www.uow.edu.au/arts/

Advanced Standing

Information about Approved Credit Transfer Arrangements is available at

www.uow.edu.au/handbook/advancedstanding/

Entry Requirements / Assumed Knowledge

NSW HSC entry through UAC

Students apply through UAC and satisfy the UAI requirement for the year of application.

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Assumed Knowledge: Any two units of English.

Other Secondary Qualifications

Students with secondary qualifications outside NSW will be considered on a case-by-case basis.

Tertiary Qualifications

Applications will be considered from students with the following tertiary qualifications:

A completed Two-year Diploma or Advanced Diploma from TAFE or another accredited institution;

Not less than one-sixth of a Bachelor degree from an approved University;

Other tertiary courses approved by the University of Wollongong.

Overseas Qualifications

Students with tertiary qualifications obtained overseas will be considered provided that they satisfy University's minimum admission requirements.

Alternative Entry (Domestic applicants)

STAT test

UAP

Aboriginal and Torres Strait Islander alternative entry program

Course Requirements

To qualify for award of the degree of Bachelor of Communication and Media Studies course code 798 a student must complete a total of at least 144 credit points.

The 144 credit points shall include:

a) the subjects prescribed for the major in the degree with a pass or better grade in the 300 level subjects prescribed for the degree;

b) one of the specialisations offered in the degree;

c) not more than 60 credit points in 100-level subjects.

Students may count no more than 24 credit points of PC (Pass Conceded) or PR (Pass Restricted) grades towards the 144 required for the degree.

Where a double major is taken, both shall meet the requirements of the majors as prescribed by the faculty. A candidate for course code 798 who has registered for two major studies, for which there are common subjects at any level may count one subject twice towards the requirements of the major studies, but may only count the credit points once towards the credit points required by the course.

Subjects taken in minor studies cannot be cross counted towards either the major or any of the specialisations taken as part of the degree.

Course Program

All students enrolled in the degree must complete the following subjects:

Subjects		Session	Credit Points
100-Level Core			
BCM 100	Introduction to Media and Cultural Studies	Autumn	6
BCM 102	Understanding Audiences	Autumn	6
BCM 101	New Media: Histories, Industries, Practices	Autumn	6
BCM 106	Media, Ethics and Law	Spring	6
200-Level Core			
BCM 200	Media Events and Rituals	Spring	8
BCM 224	Politics and The Media	Spring	8
300-Level Core			
BCM 301	History of Media and Communications	N/O 2008	8
BCM 357	Television Cultures	Spring	8

Specialisations

Advertising and Marketing

This specialisation will provide students with an understanding of markets, and how these may be reached by manipulating the "marketing mix", the core elements of marketing practice. A focus on the psychology of consumers as decision-makers provides a foundation for the management of the "marketing communication mix", the various channels through which goods and services are promoted and advertised in the marketplace. The subjects in the stream cover the

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theory and practice of marketing in both national and international contexts. These subjects are taught by the Faculty of Commerce.

The Advertising and Marketing specialisation is made up of the 36 credit points including MARK101, MGMT110 and 24 credit points from the subjects listed below:

Subjects		Session	Credit Points
MARK101	Marketing Principals	Autumn/Spring	6
MGMT110	Introduction to Management	Autumn/Spring	6
and at least 24 credit points from the following subjects:			
200-Level			
MARK201	Applied Marketing Research	Autumn	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
300-Level			
MARK301	Internet Applications to Marketing	Spring	6
MARK333	Marketing Communications & Advertising	Autumn	6
MARK343	International Marketing	Autumn	6

Notes:

(a) Students undertaking the Bachelor of Communication and Media - Bachelor of Commerce who are taking Marketing as their major in the Commerce component of the degree cannot take the Advertising and Marketing specialisation in the BCM component.

(b) *Students undertaking the Bachelor of Communication and Media - Bachelor of Commerce and who find that these subjects are prescribed in the core of their Commerce degree should consult the School of Management and Marketing for appropriate replacement subjects, and have these subjects approved by the Head of the School of Social Sciences, Media and Communication in the Faculty of Arts.

Digital Communication

This specialisation examines new media industries and investigates new forms of communication in the digital era. These include an understanding of video and game culture, cyber culture and its relationship to globalisation.

The Digital Communication specialisation is made up of 36 credit points including DIGC101, DIGC102 and at least 24 credit points from the subjects listed below:

Subjects		Session	Credit Points
100-Level			
DIGC101	New Media Communication	Spring	6
DIGC102	Methods of Research in Media and Communication Studies	Spring	6
and at least 24 credit points from the following subjects:			
200-Level			
DIGC201	Game Culture: Video and Computer games as Communication Form	N/O 2008	6
DIGC202	New Media and Globalisation: Cyber-economies/Cyberculture	N/O 2008	8
300-Level			
DIGC301	Advertising and Promotional Culture	N/O 2008	8
DIGC302	Special Topics/Project in Digital Media	N/O 2008	8

Journalism

The Journalism specialisation is designed to develop basic journalism skills to complement the conceptual knowledge of media process in the BA Communication and Media Studies program. Instead of looking at journalism from three separate media - print, radio and television - the sequence focuses on media convergence based on the practical foundation of generic print media techniques. The teaching approach focuses on learning by doing.

The Journalism specialisation is made up of the following subjects:

Subjects - All subjects are compulsory		Session	Credit Points
200-Level			
JOUR201	Print Media Reporting	Autumn	8
JOUR202	Feature Writing	Autumn/Spring	8
300-Level			

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JOUR301	Investigative Reporting	Autumn	8
JOUR302	Directed Study /Practice	Spring	8

Screen Studies

Students specialising in Screen Studies will gain experience in media content analysis, and will be introduced to the history of film and television production in Australia and the United States. In addition, they will become familiar with the key policy and theoretical issues raised by the globalisation of broadcast media. This specialisation will offer students a chance to develop advanced skills in research and critical analysis of the screen media.

Major Study

The specialisation in Screen Studies is made up of 32 credit points chosen from the subjects below:

Subjects - Students must choose four of the following subjects		Session	Credit Points
200-Level			
MACS217	Film Form and Style	Autumn	8
MACS219	Cinema in Australia	Spring	8
HIST291	Film and History	N/O 2008	8
300-Level			
ENGL350	Fantasy and Popular Fiction	N/O 2008	8
HIST291	Film and History	Autumn	8
MACS333	Film Genre: Theory and Analysis	Spring	8
MACS337	Hollywood in Context	N/O 2008	8
MACS341	Media and Cultural Studies: Advanced Seminar (Note: this subject has a quota of 24)	Spring	8
MACS357	Television Cultures	Spring	8

Double Degrees with Communication and Media Studies

The following double degree programs are available to suitably qualified students of the Faculty of Arts. The Faculty of Arts administers the Bachelor of Communication and Media Studies - Bachelor of Arts, the Bachelor of Communication and Media Studies - Bachelor of Commerce and the Bachelor of Communication and Media Studies - Bachelor of Science.

For course codes 760 and 796 students should consult the relevant faculty.

UAC Code	UOW Code	Home Faculty	Course Name
751350	794	Arts	Bachelor of Communication and Media Studies - Bachelor of Arts
751351	795	Arts	Bachelor of Communication and Media Studies - Bachelor of Commerce
751352	796	Creative Arts	Bachelor of Communication and Media Studies - Bachelor of Creative Arts
751210	760	Law	Bachelor of Communication and Media Studies - Bachelor of Laws
751353	797	Arts	Bachelor of Communication and Media Studies - Bachelor of Science

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Bachelor Communication and Media Studies (Honours)

Testamur Title:	Bachelor of Communication and Media Studies (Honours)
Abbreviation:	BCM (Hons)
Home Faculty:	Faculty of Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Mostly face-to-face.
Starting Session(s):	Normally autumn
Location:	Wollongong
UOW Course Code:	878
UAC Code:	N/A
CRICOS Code:	056219G

Overview

Honours is a fourth year of study added on to the end of an undergraduate degree. For some students, it gives them an employment advantage in their post University careers. The Honours year also functions in the university curriculum as a bridge between undergraduate study and postgraduate research. It offers a unique opportunity to study a chosen discipline or interdisciplinary area in depth and to undertake a personalised research project working closely with a supervisor who is an established expert in the field of study being undertaken. As an entry point for postgraduate research students, it provides a stimulating and supportive environment in which students formulate ideas, engage in debate, develop research skills and acquire the critical tools that will equip them for a research career. To move into a postgraduate research degree, the minimum requirement is a class II division 2 (II.2) grade.

Entry Requirements

Entry to the Bachelor of Communication and Media Studies (Honours) is determined by a recommendation from the Honours Co-ordinator of the School, following the student's application to the University and the School for admission to the Honours year.

To qualify for admission to a course leading to a Bachelor of Communication and Media Studies (Honours) degree a person shall have:

1. completed the BCM core and at least one specialisation with a 70% average plus distinctions in two 300-level subjects, at least one of which must be drawn from the core or specialisation in which a student intends to write their thesis or complete their project.

OR

2. qualified at another tertiary institution for the award of a Pass Bachelor degree containing a coherent study equivalent to a coherent major equivalent to the core and at least one of the specialisations with an average of at least 70% across the major in which the Honours degree will be undertaken, with the additional requirement of a Distinction in two subjects at 300-level in the specific major.
3. satisfactorily completed other approved requirements (if necessary). English language entry requirements are those set for domestic and international students at the University

Course Requirements

Each Program has its unique Honours Course made up of a thesis (50% of the total mark) and a program of coursework (50% of the total mark). In all cases, students considering Honours or Joint Honours are encouraged to talk to the School Honours Coordinators well in advance to seek approval for enrolment, discuss their program, and negotiate a thesis topic and supervisors.

Grade of Honours

The overall grade of Honours is determined by calculation of the weighted average mark (WAM) for the 400-level subject in which the student is enrolled. Honours are awarded in the following categories:

- Class I (WAM 85 to 100%)
- Class II, Division 1 (WAM 75 to less than 85%)
- Class II, Division 2 (WAM 65 to less than 75%)
- Class III (WAM 50 to less than 65%)

If the WAM is below 50%, an Honours grade is not awarded.

Areas of Study in Honours

Students may also undertake Joint Honours where two of the areas set out above can be combined or when a discipline from the Faculty of Arts is combined with a discipline from another Faculty. Students who are intending to undertake Joint Honours should consult the Faculty Honours Co-ordinator.

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Students who have completed a double major may be accepted into an Honours year. The Honours course will be administered by the academic unit of the student's second major, subject to approval by the Head of the relevant academic unit and the Head of the Aboriginal Studies Program.

Honours Guide and Code of Practice (Honours)

The Faculty of Arts Honours Guide provides detailed information on all Honours courses. It is provided in hard copy to all honours students can be accessed as a PDF document.

Students are advised to refer to the following University of Wollongong web site for access to the Code of Practice - Honours

Honours Subjects

Full-time students enrol in one 24 credit point subject each session. Part-time students enrol in the 12 credit point equivalent each session. The way the subject is constituted (i.e. the relationship between thesis and coursework) is determined by individual Programs and/or Schools. Details of the Honours courses offered by different Programs are outlined below.

Subjects		Session	Credit Points
BCM 411	BCM (Honours)	Autumn/Spring	24
BCM 412	BCM (Honours) (PT)	Autumn/Spring	12

International Bachelor of Communication and Media Studies (Honours)

Testamur Title:	International Bachelor of Communication and Media Studies (Honours)
Abbreviation:	IntBCMS(Hons)
Home Faculty:	Faculty of Arts
Duration:	4 year full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Mostly face-to-face.
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1809
UAC Code:	753109 (Journalism) 753110 (Screen Studies) 753111 (Advertising and Marketing) 753113 (Digital Communication)
CRICOS Code:	TBA

Overview

The International Bachelor of Communication and Media Studies (Honours) is a four year degree for high achieving students offering a program of study that will give them the knowledge, research and language skills, personal organisational capabilities and international study experience that will provide them with a competitive edge in seeking employment in media and communication institutions that operate internationally. The program includes, as compulsory elements, a prescribed major, a minor in a language other than English (LOTE) and a session of study abroad. A distinctive feature of the degree are the extension subjects in both the major and the specialisations which form an important part of the preparation for the session of study abroad and for Honours. The Honours year is the fourth year in the degree that allows students to develop their skills at a higher level in one, or more, of the specialisations that are part of the degree.

The Major

The major for this degree is a prescribed major of 64 credit points which means that students need to complete every subject in the list below.

LOTE Minor

The LOTE minor is to be taken from the Language courses offered by the Faculty of Arts. For beginners in a language, 32 credit points are required. For students with an HSC language, 28 credit points are required.

Specialisations

The degree offers four specialisations: Advertising and Marketing, Digital Communication, Journalism and Screen Studies. Students must complete one of these specialisations. In all specialisations, the extension subject is compulsory.

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Electives

Depending on the specialisation chosen, students may fall short of the required credit points. They can make up the remaining credit points by taking as electives subjects listed in the schedule for this degree (see below).

Honours

The Honours year is an integral part of the degree and constitutes 48 credit points of the credit points required to graduate. The Honours year is divided into theory, method and dissertation components. Students are advised to refer to the following University of Wollongong web site for access to the Code of Practice - Honours: www.uow.edu.au/handbook/honourscode.html

Entry Requirements

Enrolment in this degree is restricted to a quota. Students apply through UAC and satisfy the UAI requirement for the year of application which is set by the University. Assumed knowledge is any two units of English. Students with secondary qualifications outside NSW, or other tertiary qualifications, will be considered on a case-by-case basis.

Course Requirements

To qualify for award of the degree of Bachelor of International and Communication Studies (Honours) a student must complete a total of 192 credit points from the subjects listed for the degree. The 192 credit points shall include:

a) the prescribed major of 64 credit points;

b) one of the specialisations listed for the degree including its extension subject;

c) a minor in a language other than English (LOTE);

d) a session of study abroad;

e) the Honours year;

d) no more than 60 credit points at 100 level.

Students may count no more than 32 credit points of PC (Pass Conceded) and PR (Pass Restricted) grades towards the 192 required for the degree.

Course Program

All students enrolled in the degree must complete the following subjects:

Subjects		Session	Credit Points
100-Level Core			
BCM 100	Introduction to Media and Cultural Studies	Autumn	6
BCM 102	Understanding Audiences	Autumn	6
BCM 101	New Media: Histories, Industries, Practices	Autumn/Spring	6
BCM 106	Media, Ethics and Law	Spring	6
200-Level Core			
BCM 200	Media, Events and Rituals	Spring	8
BCM 201	Communication and Media Across Cultures	N/O 2008	8
BCM 224	Politics and The Media	Spring	8
300-Level Core			
BCM 301	History of Media and Communications	N/O 2008	8
BCM 357	Television Cultures	Spring	8

Specialisations

Advertising and Marketing

This specialisation will provide students with an understanding of markets, and how these may be reached by manipulating the "marketing mix", the core elements of marketing practice. A focus on the psychology of consumers as decision-makers provides a foundation for the management of the "marketing communication mix", the various channels through which goods and services are promoted and advertised in the marketplace. The subjects in the stream cover the theory and practice of marketing in both national and international contexts. These subjects are taught by the Faculty of Commerce.

The Advertising and Marketing Specialisation is made up of 44 credit points consisting of the extension subjects BCM 202, MARK101 & MGMT110 and 24 credit points from the subjects listed below:

Subjects		Session	Credit Points
BCM 202	Advertising and Marketing Across Cultures	N/O 2008	8

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MARK101	Marketing Principles	Autumn/Spring	6
MGMT110	Introduction to Management	Autumn/Spring	6

and at least 24 credit points from the following subjects:

200-Level

MARK201	Applied Marketing Research A	Autumn	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6

300-Level

MARK301	Internet Applications for Marketing	Spring	6
MARK333	Marketing Communications & Advertising	Autumn	6
MARK343	International Marketing	Autumn	6

Digital Communication

This specialisation examines new media industries and investigates new forms of communication in the digital era. These include an understanding of video and game culture, cyber culture and its relationship to globalisation.

The Digital Communication specialisation is made up of 44 credit points consisting of the extension subjects BCM 203, DIGC101, DIGC102 and 24 credit points from the subjects listed below:

Subjects		Session	Credit Points
BCM 203	Digital Communication Across Cultures	N/O 2008	8
DIGC101	New Media Communication	Spring	6
DIGC102	Methods of Research in Media and Communication Studies	Spring	6

and at least 24 credit points from the following subjects:

200-Level

DIGC201	Game Culture: Video and Computer games as Communication Form	N/O 2008	8
DIGC202	New Media and Globalisation: Cyber-economies/ Cyberculture	N/O 2008	8

300-Level

DIGC301	Advertising and Promotional Culture	N/O 2008	8
DIGC302	Special Topics/Project in Digital Media	N/O 2008	8

Journalism

The Journalism specialisation is designed to develop basic journalism skills to complement the conceptual knowledge of media process in the BA Communication and Media Studies program. Instead of looking at journalism from three separate media - print, radio and television -- the sequence focuses on media convergence based on the practical foundation of generic print media techniques. The teaching approach focuses on learning by doing.

The Journalism specialisation of 40 credit points is made up of the following compulsory subjects:

Subjects - All subjects are compulsory		Session	Credit Points
200-Level			
BCM 204	Journalism Across Cultures	N/O 2008	8
JOUR201	Print Media Reporting	Autumn	8
JOUR202	Feature Writing	Autumn/Spring	8
300-Level			
JOUR301	Investigative Reporting	Autumn	8
JOUR302	Directed Study /Practice	Spring	8

Screen Studies

Students specialising in Screen Studies will gain experience in media content analysis, and will be introduced to the history of film and television production in Australia and the United States. In addition, they will become familiar with the key policy and theoretical issues raised by the globalisation of broadcast media. This specialisation will offer students a chance to develop advanced skills in research and critical analysis of the screen media.

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The specialisation in Screen Studies is made up of 40 credit points including the extension subject BCM 205 and 32 credit points chosen from the subjects below:

Subjects		Session	Credit Points
BCM 205	Screen Studies Across Cultures	N/O 2008	8
and at least 32 credit points from the following subjects:			
200-Level			
MACS217	Film, Form and Style	Autumn	8
MACS219	Cinema in Australia	Spring	8
300-Level			
MACS337	Hollywood in Context	N/O 2008	8
MACS333	Genre Theory and Analysis	Spring	8
MACS341	Media and Cultural Studies: Advanced Seminar	Spring	8
ENGL350	Fantasy and Popular Fiction	N/O 2008	8

Honours: BCM 401 (FT) and BCM 402 (PT)

Theory 12 cps

Method 12 cps

Dissertation 24 cps

Double Degrees

Bachelor of Arts - Bachelor of Commerce

Testamur Title:	Bachelor of Arts - Bachelor of Commerce
Abbreviation:	BA-BCom
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	703
UAC Code:	751301
CRICOS Code:	012086A

Overview

This double degree program enables students to combine a major from the Bachelor of Arts and a major (including the core subjects) from the Bachelor of Commerce. The choice of majors by students can reflect future employment or simply interest. Students have taken majors in Politics and Economics, Sociology and Human Resource Management, even Accounting and History. The requirements for majors offered by the Arts Faculty are set out in this Handbook. The requirements for majors offered by the Faculty of Commerce can be found in this Handbook under the Commerce Faculty's entry.

Course Requirements

To qualify for the award of the double degree of Bachelor of Arts-Bachelor of Commerce course code 703 a candidate shall accrue an aggregate of at least 216 credit points by satisfactory completion of subjects approved for inclusion in the Bachelor of Arts, the Bachelor of Commerce and the General Schedule.

The 216 credit points shall include:

a) the subjects prescribed for one of the majors for the Bachelor of Arts degree offered by member units of the Faculty of Arts;

b) a minimum of 90 credit points taken from subjects offered by the member units of the Faculty of Arts;

c) the subjects prescribed for one of the majors for the Bachelor of Commerce degree;

d) not more than 96 credit points for 100-level subjects.

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Students may count no more than 36 credit points of PC (Pass Conceded) or PR (Pass Restricted) grades towards the 216 required for the degree.

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Major Study

The majors offered by the faculties of Arts and Commerce are listed under the relevant faculty entries in this Handbook.

Minors

Students can take Minors as part of their double degree program provided they meet the requirements set.

Honours

An Honours degree of Bachelor of Arts or Bachelor of Commerce requires additional study (one year full-time, or two years part-time) and may be undertaken by students who meet the requirements for enrolment in Honours early as possible and especially prior to the commencement of 300-level subjects.

Students should consult the single degree Bachelor of Arts and Bachelor of commerce entries for Honours requirements.

The Faculty of Arts Honours Handbook can be accessed as a PDF document.

Bachelor of Communication and Media Studies - Bachelor of Arts

Testamur Title:	Bachelor of Communication and Media Studies - Bachelor of Arts
Abbreviation:	BCM-BA
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	794
UAC Code:	751350
CRICOS Code:	049640G

Overview

This double degree program enables students to combine a major from the Bachelor of Arts with the Bachelor of Media and Communication Studies. The Arts major must meet the requirements set down in this Handbook for majors under course code 702. The Bachelor of Media and Communication Studies component of the double degree must meet the requirements of the prescribed major and at least one of the specialisations as set out under course code 798. The combination of the two degrees broaden the employment prospects for students by allowing them to complement the studies in the Bachelor of Communication and Media Studies with a major from Arts. Some students, for example, have combined the Journalism specialisation with Politics, others have combined the Screen Studies specialisation with English Literatures.

Course Requirements

To qualify for the award of Bachelor of Communication and Media Studies - Bachelor of Arts a student must:

a) complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the specialist studies in that degree;

b) complete one major study offered by a member unit of the Faculty of Arts under course code 702;

c) complete not more than 90 credit points at 100-level;

d) where necessary, undertake elective subjects from the Course Structures of the Bachelor of Arts, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed.

Students may count no more than 36 credit points of PC (Pass Conceded) or PR (Pass Restricted) grades towards the 216 required for the degree.

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Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/ seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Major Study

Students must take one major/specialisation from each degree program. If a student wishes to take more than one major from a degree program, s/he should see an academic adviser in the Faculty of Arts.

Specialisations in the Bachelor of Communication and Media Studies available in 2008

For details of the specialisations please refer to the Bachelor of Communication and Media Studies (single degree entry). Specialisations are available in: Advertising and Marketing, Journalism, and Screen Studies.

Majors in the Bachelor of Arts

All Arts majors and their requirements are listed under the Bachelor of Arts entry.

Students enrolled in the double degree program should consult the academic adviser in the Faculty of Arts about their choice of major studies.

Minor Study

Students can take Minors as part of their double degree program provided they meet the requirements set.

For information on Advanced Standing and Entry requirements, see the entry for the Bachelor of Communication and Media Studies in this Handbook.

Bachelor of Communication and Media Studies - Bachelor of Commerce

Testamur Title:	Bachelor of Communication and Media Studies - Bachelor of Commerce
Abbreviation:	BCM-BCom
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	795
UAC Code:	751351
CRICOS Code:	049641G

Overview

This double degree program enables students to combine a specialisation from the Bachelor Communication and Media Studies with the core subjects and a major from the Bachelor of Commerce. Many students interested in communication studies actually want to work at management level in the business sector. The double degree allows students a little more space to extend their business focus. The core subjects and the other specialisations in the degree (digital communication, journalism and screen studies) add employment options to the degree program.

The requirements for the Bachelor of Communication and Media studies (including specialisations) are set out in this Handbook under course code 798. The requirements for majors offered by the Faculty of Commerce are also set out in this Handbook under its Faculty entry. Students should note that if they take the Advertising and Marketing specialisation in this degree, they cannot take the major in Marketing offered by Commerce.

Course Requirements

To qualify for the award of Bachelor of Communication and Media Studies - Bachelor of Commerce a student must:

a) complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the specialisations in that degree;

b) complete subjects from the Commerce schedule, including core subjects, and subjects to satisfy the requirements of one of the Commerce majors with the exception of the Marketing major in Commerce;

c) complete not more than 90 credit points at 100-level;

d) where necessary, undertake elective subjects from the Course Structures of the Bachelor of Commerce, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been

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completed.

Students may count no more than 36 credit points of PC (Pass Conceded) or PR (Pass Restricted) grades towards the 216 required for the degree.

Major Study

Students must take one major/specialisation from each degree program.

Specialisations in the Bachelor of Communication and Media Studies available in 2008

For details of the specialisations please refer to the Bachelor of Communication and Media Studies (single degree entry). Specialisations are available in: Advertising and Marketing, Journalism, and Screen Studies.

Majors in the Bachelor of Commerce available in 2008

The requirements for all Commerce majors are listed under the Bachelor of Commerce within the Faculty of Commerce.

Students enrolled in the double degree program should consult both faculties about their choice of major studies.

Minor Study

Students can take Minors as part of their double degree program provided they meet the requirements set.

For information on Advanced Standing and Entry requirements, see the entry for the Bachelor of Communication and Media Studies in this Handbook.

Bachelor of Communication and Media Studies - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Communication and Media Studies - Bachelor of Laws (a separate testamur is awarded for each degree)
Abbreviation:	BCM-LLB
Home Faculty:	Faculty of Arts
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	268*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	760
UAC Code:	751210
CRICOS Code:	049643E

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Communication and Media Studies – Bachelor of Laws degree will provide those students interested in media law with an overview of the industry, its practices and policies. It also provides a solid foundation for students interested in politics or government.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in subjects from the Law and Arts schedules.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions.

Refer to www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

Students who enrol in the Bachelor of Communication and Media Studies - Bachelor of Laws must complete each of the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) all compulsory (core) subjects in the Bachelor of Communication and Media Studies Course Program;

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d) the required subjects of one of the major studies in the Bachelor of Communication and Media Studies; and

e) where necessary, elective subjects (not having the prefix LAW), from the Bachelor of Laws Course Program, the Bachelor of Communication and Media Studies Course Program or the General Schedule, to ensure that at least 84 credit points have been completed.

Note: No more than 48 credit points shall be of 100-level subjects.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from BCM schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from BCM schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from BCM schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from BCM schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from BCM schedule		Autumn	
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from BCM schedule		Spring	
Fifth Year			

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2 LLB Electives		Autumn	16
Subjects from BCM schedule		Autumn	
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Subjects from BCM schedule		Spring	

Majors

Majors are NOT available in the Bachelor of Laws course. Students should refer to the Faculty of Arts for majors available in the Bachelor of Communications and Media Studies course.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Communication and Media Studies - Bachelor of Science

Testamur Title:	Bachelor of Communication and Media Studies - Bachelor of Science
Abbreviation:	BCM-BSc
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	797
UAC Code:	751353
CRICOS Code:	049644D

Overview

In Science where students take extensive studies in discipline areas, the Bachelor of Communication and Media Studies adds an opportunity to broaden their focus, to acquire skills outside the main areas of the degree and thereby increase its marketability. The core of the Bachelor of Communication and Media Studies deals with contemporary issues in politics, communication studies and media, giving students a broad grounding in which to situate their specialisation. The Digital Communication specialisation, for example, complements the Science degree well, allowing students to examine the rise of a new technology and critique the controversies marking its growth. And in a world increasingly preoccupied with environmental issues, media is a significant element in bringing issues to public attention.

The requirements for the Bachelor of Communication and Media studies (including its specialisations) are set out in this Handbook under the entry for the Bachelor of Communication and Media Studies course code 798. The requirements for majors offered by the Faculty of Science are also set out in this Handbook under the relevant Faculty entry.

Course Requirements

To qualify for the award of Bachelor of Communication and Media Studies - Bachelor of Commerce a student must:

a) complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the specialisations in that degree;

b) complete a major study in the Faculty of Science and satisfy the requirements prescribed in the Science schedule;

c) where necessary, undertake elective subjects from the Course Structures of the Bachelor of Science, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed.

Students may count no more than 36 credit points of PC (Pass Conceded) or PR (Pass Restricted) grades towards the 216 required for the degree.

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations, practicals, labs in-class tests and/or exams. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

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Major Study

Students must take one major/specialisation from each degree program.

Specialisations in the Bachelor of Communication and Media Studies available in 2008:

For details of the specialisations please refer to the Bachelor of Communication and Media Studies (single degree entry). Specialisation are available in: Advertising and Marketing, Journalism and Screen Studies.

Majors in the Bachelor of Science available in 2008:

The requirements for all Science majors are listed under the Bachelor of Science within the Faculty of Science or, for Population Health and Psychology, in the Bachelor of Science in the Faculty of Health and Behavioural Sciences.

Students enrolled in the double degree program should consult both faculties about their choice of major studies.

Minor Study

Students can take Minors as part of their double degree program provided they meet the requirements set.

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SUBJECT DESCRIPTIONS

ABST150 Introduction to Aboriginal Australia

Spring	Wollongong	On Campus
Autumn	Wollongong	On Campus
Autumn	Moss Vale	Flexible
Autumn	Bega	Flexible
Autumn	Batemans Bay	Flexible
Autumn	Shoalhaven	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The interaction between the oldest living cultural tradition on Earth, and the ongoing results of the colonial process, are the focus of this subject. Lectures and tutorials provide local and international students with an introduction to the cultures and histories of Aboriginal Australia, and some current issues, through the key concepts of colonisation and resistance. The contrast between indigenous knowledge systems and dominant Western worldviews is a critical theme.

ABST200 Aboriginal Identities: History and Contested Knowledge

Spring	Moss Vale	Flexible
Spring	Wollongong	On Campus
Spring	Shoalhaven	Flexible
Spring	Bega	Flexible
Spring	Batemans Bay	Flexible

Credit Points: 8
Pre-requisites: ABST150 plus 30 credit points at 100 Level
Co-requisites: None
Subject Description: This subject focuses on the themes of identity, history and contested knowledge as these relate to Indigenous people in Australia. The concept of identity is examined in relation to the theoretical framework of "identity and difference". Current debates about history and historiography are examined. The subject looks at government policies throughout the nineteenth and twentieth century and considers current issues of Indigenous rights and reconciliation. ABST 200 also considers the contestation of knowledge by Indigenous people and how this process reconstructs identities, histories and knowledge according to more relevant frames of reference.

ABST201 Redefining Eden: Indigenous peoples and the environment

Autumn	Wollongong	On Campus
Autumn	Shoalhaven	Flexible
Autumn	Bega	Flexible
Autumn	Batemans Bay	Flexible
Autumn	Moss Vale	Flexible

Credit Points: 8
Pre-requisites: 36 credit points at 100-level.
Co-requisites: None
Subject Description: This subject examines the relationships between Indigenous knowledge, customary laws and social organisation, and the Western science of ecology, in contemporary strategies for natural resource use by Indigenous peoples. Interactions between Indigenous resource systems and Western approaches to conservation and natural resource management will be examined, as well as the links between environmental impacts, policy processes and property regimes.

ABST202 Indigenous Self-Representation in Contemporary Texts

Autumn	Wollongong	On Campus

Credit Points: 8
Pre-requisites: 36 credit points including either ABST150, SMAC100 or 6 credit points in any of ENGL, CREA or CCS
Co-requisites: None
Subject Description: This subject introduces students to a range of texts which represent Aboriginal people. Students will examine fiction, children's literature, feature film, short films and plays. They will be introduced to the concept of 'genre' and will explore the ways that different texts can be used to effectively represent the broad spectrum of Aboriginal experience in contemporary times. Through these texts, students will learn about various aspects of Aboriginal culture and identity as well as the importance of self-representation for Aboriginal people.

ABST300 Indigenous Theories of Decolonisation

Spring	Moss Vale	Flexible
Spring	Wollongong	On Campus
Spring	Shoalhaven	Flexible
Spring	Bega	Flexible
Spring	Batemans Bay	Flexible

Credit Points: 8
Pre-requisites: ABST200 plus 16 credit points at 200 level
Co-requisites: None
Subject Description: This subject introduces students to theories of decolonisation. Students will study a range of theories from a variety of disciplinary perspectives including literary theory, education, science, and cultural studies. This subject will broach theoretical and practical approaches to decolonization and will consider their application to the specific experience of colonialism in Australia.

ABST361 Issues in Aboriginal Education

Autumn	Wollongong	On Campus

Credit Points: 8
Pre-requisites: ABST150 plus 16cp at 200 level
Co-requisites: None
Exclusions: Not to count with EDUF211, EDUE301 or EDUE401
Subject Description: The Commonwealth government is committed to accelerating the learning progress of Indigenous students. Schools are required to be more accountable and are introducing performance measures on literacy, numeracy, school attendance and student retention. This subject will explore professional development materials and resources for use by teachers to ensure that indigenous students are achieving comparable outcomes with the general school population. Students will analyse case studies of best practice and the latest research that is closing the educational divide between indigenous and non-indigenous Australians.

ABST362 Aboriginal Pedagogy

Spring	Wollongong	On Campus

Credit Points: 8

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Pre-requisites: (ABST100) or (ABST150) plus 16 credits points at 200 level
Co-requisites: None
Exclusions: Not to count with EDUF222, EDUE302 or EDUE402
Subject Description: Aboriginal Pedagogy provides an historical account of the pedagogical methods used in mainstream educational institutions and explores alternative, Indigenous philosophies and pedagogical practices. The subject encourages students to think critically about teaching and learning. It also helps to develop professional skills through consultation with Aboriginal communities.

ABST411 Aboriginal Studies Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 48
Pre-requisites: Completion of BA with major in Aboriginal Studies and average mark of 70% across the major and two distinctions in the 300 level subjects required to complete the major
Co-requisites: None
Subject Description: The Honours year will examine key issues in the research into Australia's Indigenous Peoples. Matters covered will include an exploration of the theoretical and methodological literature in the field, Indigenous knowledge, the ethics of research and intellectual property relevant for such research, and matters of policy and governance. These issues will be addressed through the seminar and research preparation component of the course and will be reflected in the thesis required as part of the subject's assessment.

ABST412 Aboriginal Studies Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 48
Pre-requisites: Completion of BA with major in Aboriginal Studies and average mark of 70% across the major and two distinctions in the 300 level subjects required to complete the major
Co-requisites: None
Subject Description: The Honours year will examine key issues in the research into Australia's Indigenous Peoples. Matters covered will include an exploration of the theoretical and methodological literature in the field, Indigenous knowledge, the ethics of research and intellectual property relevant for such research, and matters of policy and governance. These issues will be addressed through the seminar and research preparation component of the course and will be reflected in the thesis required as part of the subject's assessment.

ABST431 Joint Honours in Aboriginal Studies and Another Discipline

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 48
Pre-requisites: Completion of BA with major in Aboriginal Studies and average mark of 70% across the major and two distinctions in the 300 level subjects required to complete the major
Co-requisites: None
Subject Description: The Joint Honours year will examine key issues in the research into Australia's Indigenous Peoples. Matters covered will include an exploration of the theoretical and methodological literature in the field, Indigenous knowledge, the ethics of research and intellectual property relevant for such research, and matters of policy and governance from the perspectives of both Aboriginal Studies and the second discipline in the Joint Honours program. These issues will be addressed through the seminar and research preparation component of the course and will be reflected in the thesis required as part of the subject's assessment. The requirements of the coursework and thesis elements of the program will be negotiated between Aboriginal Studies and the other discipline involved.

ABST432 Joint Honours in Aboriginal Studies and Another Discipline (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 48
Pre-requisites: Completion of BA with major in Aboriginal Studies and average mark of 70% across the major and two distinctions in the 300 level subjects required to complete the major
Co-requisites: None
Subject Description: The Joint Honours year will examine key issues in the research into Australia's Indigenous Peoples. Matters covered will include an exploration of the theoretical and methodological literature in the field, Indigenous knowledge, the ethics of research and intellectual property relevant for such research, and matters of policy and governance from the perspectives of both Aboriginal Studies and the second discipline in the Joint Honours program. These issues will be addressed through the seminar and research preparation component of the course and will be reflected in the thesis required as part of the subject's assessment. The requirements of the coursework and thesis elements of the program will be negotiated between Aboriginal Studies and the other discipline involved.

ARTS112 People and Place

Autumn Bega Flexible
Autumn Batemans Bay Flexible
Autumn Moss Vale Flexible
Autumn Shoalhaven Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the idea of contested understandings of what it means to be Australian. It focuses on a number of key areas and explores the ways in which gender, ethnicity, class and citizenship status effect the experience of living in this nation. The areas analysed are: public spaces / places; the home; the paid work place; national spaces (memorials, etc.). The subject facilitates critical consideration of the ways in which some groups are excluded from important political, cultural, social, and economic rights as it also focuses on the exclusion of Indigenous peoples, women and migrants from full and equal participation.

ARTS113 Society and Representation

Not on offer in 2008
Credit Points: 6
Pre-requisites: None

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Co-requisites: None
Subject Description: This subject introduces the idea that reality is meaningful once represented through sign systems including an interaction of textual conventions, social practices and cultural knowledges. It provides examples of different texts (literary and non-literary), practice in analysis and expression of argument, focused around the topics of text, nature, gender and education. It proposes that meanings are always multiple and negotiated though based within structuring codes/discourses.

ARTS202 International Studies

Spring	Wollongong	Distance
Summer 2008/2009	Wollongong	Distance
Autumn	Wollongong	Distance

Credit Points: 8
Pre-requisites: 36 credit points plus permission of Director, International Studies.
Co-requisites: None
Subject Description: This subject offers students the opportunity to study in situ in another country. The subject consists of a series of lectures and seminars, which may include an intensive language component, introducing students to the issues that will form the focus of study whilst overseas. The nature of these will vary according to the countries chosen and the disciplinary nature of the study abroad project. During their time overseas students will keep a reflective journal and on return will complete a major research project.

ARTS211 Social Science Perspectives on Health and Illness

Autumn	Bega	Flexible
Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: SOC111
Subject Description: Australian society provides the context for an examination of the major perspectives that inform the analysis of the social power relations that shape patterns of health and illness and the provision of health care services. Students will apply the theoretical frameworks to contemporary issues in health and illness including the introduction of new technologies, the practical meanings of care for different health professions and representations of health and illness in the popular media. The focus on small group learning activities means students have an opportunity to share knowledge and develop their ideas together.

ARTS301 Arts Internship

Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: 96 credits points and selection interview with careers service professional & subject coordinator
Co-requisites: None
Subject Description: Arts Internship is a subject that crosses boundaries between theory and practice. At the end of your degree this is an opportunity to reflect upon and develop strategies for using your knowledge and skills developed through studies in Arts in the world of work and in the pursuit of your goals in your career and in life. Students will critically examine: the discourses and skills learned in the Faculty of Arts, their personal learning of these discourses and skills, the discourses and skills of the 'world of work'. They will develop understanding of these discourses and skills and their learning of them by undertaking an Internship in a community or business environment. Placement in the Internship is facilitated by the University after negotiation with the student. The Internship is of 48 hours duration completed in addition to class contact time. Reflective learning activities and the Internship are integral in the University assessment of student outcomes in the subject. Students are encouraged to embark on understandings of the relevance of their studies to their post university endeavours.

ARTS411 Community, Culture and Environment Honours

Autumn	Batemans Bay	Flexible
Spring	Batemans Bay	Flexible
Autumn	Bega	Flexible
Spring	Bega	Flexible
Autumn	Shoalhaven	Flexible
Spring	Shoalhaven	Flexible
Autumn	Moss Vale	Flexible
Spring	Moss Vale	Flexible

Credit Points: 24
Pre-requisites: Major in Community, Culture & Environment with at least 70% average plus two Distinctions at 300 level subjects in the Community and Environment Major.
Co-requisites: None
Subject Description: This is an interdisciplinary program, comprising a thesis and coursework topics from within discipline areas of the Arts Faculty contribution to the BA (Community, Culture & Environment). Students will write a research thesis of approximately 15,000-20,000 words, and complete two coursework units: Advanced Seminar in Community, Culture and Environment and Research Readiness Seminar. Coursework Assessment is the equivalent of 12,000 to 15,000 words. Thesis and coursework supervision will be taken by academics at the University of Wollongong, arranged by the Honours Coordinator in consultation with individual students. Students will also be invited to participate in Honours events (e.g., seminars and presentations) held at the Wollongong Campus. Supervisory and coursework contact may include email, videoconferencing and WebCT. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ARTS412. New enrolments in autumn session only.

ARTS412 Community, Culture and Environment Honours (PT)

Autumn	Batemans Bay	Flexible
Spring	Batemans Bay	Flexible
Autumn	Bega	Flexible
Spring	Bega	Flexible
Autumn	Moss Vale	Flexible
Spring	Moss Vale	Flexible
Autumn	Shoalhaven	Flexible
Spring	Shoalhaven	Flexible

Credit Points: 12
Pre-requisites: Major in Community, Culture & Environment with at least 70% average plus two Distinctions at 300 level subjects in the Community and Environment Major.
Co-requisites: None

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Subject Description: This is an interdisciplinary program, comprising a thesis and coursework topics from within discipline areas of the Arts Faculty contribution to the BA (Community, Culture & Environment). Students will write a research thesis of approximately 15,000-20,000 words, and complete two coursework units: Advanced Seminar in Community, Culture and environment and Research Readiness Seminar. Coursework Assessment is the equivalent of 12,000 to 15,000 words. Thesis and coursework supervision will be taken by academics at the University of Wollongong, arranged by the Honours Coordinator in consultation with individual students. Students will also be invited to participate in Honours events (e.g., seminars and presentations) held at the Wollongong Campus. Supervisory and coursework contact may include email, videoconferencing and WebCT. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ARTS412. New enrolments in autumn session only.

ARTS421 Joint Honours (Arts and other Faculties)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Arts requirements are Major from the Faculty of Arts with at least 70% average and including two Distinctions at 300 level.
Co-requisites: None
Subject Description: This subject provides the means for students to take Joint Honours between Arts and another Faculty in the University. Subject content and the division in terms of the thesis and coursework components of the course will be decided by negotiation between the relevant Faculty Honours co-ordinators. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ARTS422

ARTS422 Joint Honours (Arts and other Faculties) (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Arts requirements are Major from the Faculty of Arts with at least 70% average and including two Distinctions at 300 level.
Co-requisites: None
Subject Description: This subject provides the means for students to take Joint Honours between Arts and another Faculty in the University. Subject content and the division in terms of the thesis and coursework components of the course will be decided by negotiation between the relevant Faculty Honours co-ordinators. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ARTS421.

ARTS450 Interdisciplinary Honours

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: Completion of an interdisciplinary major in the BA (702) with an average mark of 70% across the major and two distinctions in the 300 level subjects required to complete the major.
Co-requisites: None
Subject Description: This is an interdisciplinary program comprising coursework, research readiness and a thesis component. The coursework and research readiness elements of the program will be taught by academic members of the Faculty of Arts and the thesis will be supervised by an academic member of the Faculty. In its structure and purpose, it matches the end-on Honours programs already used by the Faculty of Arts.

ARTS451 Interdisciplinary Honours PT

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Completion of an interdisciplinary major in the BA (702) with an average mark of 70% across the major and two distinctions in the 300 level subjects required to complete the major.
Co-requisites: None
Subject Description: This is an interdisciplinary program comprising coursework, research readiness and a thesis component. The coursework and research readiness elements of the program will be taught by academic members of the Faculty of Arts and the thesis will be supervised by an academic member of the Faculty. In its structure and purpose, it matches the end-on Honours programs already used by the Faculty of Arts.

ASIA299 Special Topics in Asian Studies

Summer 2008/2009 Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Students will undertake a subject in an Asian university or other accredited institution. At present exchange agreements exist with Prince of Songkla University in Thailand, Gadjah Mada University in Indonesia and the University of Indonesia, enabling subjects from those universities to be taken as part of a Wollongong BA. Subjects from other universities can be taken by arrangement with the Subject Co-ordinator, Associate Professor Di Kelly.

ASIA300 Globalizing Asia

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200 level
Co-requisites: None
Exclusions: SOC 326
Subject Description: This subject explores social and cultural change in Asia in the context of globalization. The subject discusses theories of social and cultural change, and draws on a range of case studies to illuminate current social and cultural trends and changes in Asia. It considers the historical legacies of colonialism and post-WW2 development, and the ways in which historical and contemporary global forces shape Asian societies. Among the topics to be covered include: social movements; sex and gender; artisan labour; transnational and migrant identities; mediated identities; urbanization and the new economy; poverty, slums

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and inequality. Countries explored include: Taiwan, India, Japan, Indonesia, Singapore and Bangladesh, as well as comparative, pan-Asian examples.

ASIA399 Special Topics in Asian Studies

Summer 2008/2009 Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Students will undertake a subject in an Asian university or other accredited institution. At present exchange agreements exist with Prince of Songkla University in Thailand, Gadjah Mada University in Indonesia and the University of Indonesia, enabling subjects from those universities to be taken as part of a Wollongong BA. Subjects from other universities can be taken by arrangement with the Subject Co-ordinator, Associate Professor Di Kelly.

AUST101 Australian Studies: Cultures and Identities

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to some of the important issues and academic debates about identities in Australia. It explores some of the principal features that characterise images of Australia, Australians and the Australian continent. It approaches the subject from an historical and cultural perspective and asks what 'being Australian' has meant to different people at different times, both for the social groups and individuals who have shaped dominant notions of national identity and those who have challenged them. What did it mean, for example, to Indigenous people, to women, to immigrants? The subject also critically examines expressions of Australian identity through some of its national rites and rituals such as Australia Day, Anzac Day, tourism, and the beach.

AUST102 Australian Studies: Narrating the Nation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to different perspectives on the meanings of 'Australia' and 'Australianess' in the nineteenth and twentieth centuries. It explores the way in which Australia, Australians and the country have been represented. Students explore these ideas from a combination of historical, literary, geographical and cultural perspectives. The subject asks how Australia and being Australian has been represented and understood at different times.

AUST300 Twentieth Century Australian Culture

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 credit points at 200 level
Co-requisites: None
Exclusions: HIST380 or HIST350
Subject Description: This subject focuses on the ways that contested versions of Australia's past have animated public debates in recent years. It explores the new theoretical approaches to history-making and the new areas of historical research that have emerged in the last half of the twentieth century. The subject highlights the ways that past events are never fully fixed in historical narratives, but are revisited as each generation returns to the past with different questions, based on their own experiences and concerns. It considers debates between Australian historians, sometimes dubbed the 'History Wars', and how they have been expressed within political life and cultural institutions. Topics covered will include debates about the size and composition of the Australian population; Australia as both a colonised and colonising nation; the extent of frontier violence; visions of Australian landscape; the emergence of identity politics; museum practice; and who is authorised to tell the national story.

BCM 100 Introduction to Media and Cultural Studies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: CCS 105 and CCS 195
Subject Description: Introduces students to the interdisciplinary field of media and cultural studies. This subject focuses on the extent to which culture and the media shape our worlds, in order to develop critical thinking about how the world might be reshaped in the direction of social justice. Part I examines the impact of the birth of electronic communications which effected a revolution in use of time and space and generated both fear and hope regarding the potential effects of the new mass media. Part two introduces key concepts and tools used to analyse cultural and media phenomena, drawing on the traditions of semiotics, structuralism, poststructuralism, and Marxist analysis. Part three focuses explicitly on the relationship between culture, media and power, examining forms of power and resistance in a variety of media and concluding with a case study of popular music.

BCM 101 New Media: Histories/ Industries/Practices

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject is designed to provide an overview of the various forms of new media - from the Internet and the Web to computer and video games and the digitalization of contemporary media. Through an investigation of these forms from a historical and industrial perspective, the subject critically engages and introduces the student to the way new media has challenged the rules of interaction that more traditional media such as film, radio, and television presented for their audiences throughout most of the twentieth century.

BCM 102 Understanding Audiences

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: SOC 110

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Subject Description: Understanding the nature of media audiences is fundamental to media and communication studies. This subject examines the concept of 'audience' from a variety of perspectives. Issues and topics include: the 'creation' of audience by the media; media audiences for popular culture (music videos, magazines, sport); fans and 'fandom'; advertising; television ratings; the 'gendered' audience. A fundamental understanding of quantitative and qualitative research into various audience groupings, the use of appropriate analytical tools and the ability to critically analyse academic and industry-based audience research are some of the skills taught in this subject.

BCM 106 Media Ethics & Law

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: PHIL106
Subject Description: This subject examines a range of ethical issues raised by contemporary media. We will survey media regulation in Australia and consider whether the existing regulatory framework is adequate to protect the public interest with regard to the issues examined. Topics covered include: privacy, defamation and vilification, free speech and censorship, representations of sex and violence, truth, lies and 'spin', war reporting, the role of the media in a democracy, the concentration of media ownership, commercialisation, advertising ethics, body image, the nature of celebrity, spectacle, voyeurism and the trivialisation of popular culture.

BCM 200 Media Events and Rituals

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36 credit points at 100 level including BCM 100
Co-requisites: None
Exclusions: MACS200
Subject Description: This subject is concerned with the saturation of local, national and transnational life by media representations of reality and the implicit claim that that the media have the power and authority to speak 'for us'. The symbolic power the media, particularly television, exerts in ritualizing and framing a shared social world is critically examined in an analysis of theories of ritual and media practices such as awards nights, commemorations, disasters, weddings, funerals, telethons and spectacular media events.

BCM 201 Communication and Media Across Cultures

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36 credit points at 100 level
Co-requisites: None
Subject Description: Under the supervision of academic staff, students will undertake a course of in-depth reading that is articulated first, with the media and communication core curriculum and second the media environment in the country where they will take their international studies. In addition to an investigation of media and communication in the selected overseas media environment, the subject will include guidance on in-country research methods, cultural practices and orientation to interpersonal behaviour in the selected overseas location. Assessment tasks are developmental and integrated. The project/essay will develop out of and be related to the issues raised and reviewed in the critical review of the refereed journal article. The 'project' assessment task is included to recognise that BCMS- International students may be interested in a multimedia presentation as a way of demonstrating their achievement of subject objectives. The kinds of projects that could be submitted will include such things as a content analysis and discussion of an international media source; a graphic analysis and display of a media text such as an overseas TV genre, or a computer game popular in their selected international studies country.

BCM 203 Digital Communication Across Cultures

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36 credit points at 100 level
Co-requisites: None
Subject Description: Under the supervision of academic staff, students will undertake a course of in-depth reading and empirical research that is articulated first, with an aspect of their media and communication specialisation, and second is linked to the media environment in the country where they will take their international studies. In addition to an investigation of aspects of their media and communication specialisation in the selected overseas media environment, the subject will include guidance on in-country research methods, cultural practices and orientation to interpersonal behaviour in the selected overseas location.

BCM 205 Screen Studies Across Cultures

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36 credit points at 100 level
Co-requisites: None
Subject Description: Under the supervision of academic staff, students will undertake a course of in-depth reading and empirical research that is articulated first, with an aspect of their media and communication specialisation, and second is linked to the media environment in the country where they will take their international studies. In addition to an investigation of aspects of their media and communication specialisation in the selected overseas media environment, the subject will include guidance on in-country research methods, cultural practices and orientation to interpersonal behaviour in the selected overseas location.

BCM 224 Politics and the Media

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp POL or 36cp including 6cp CCS or 36cp including 6cp BCM
Co-requisites: None
Exclusions: POL 224
Subject Description: This subject examines the political role and power of the mass media. Particular attention is paid to the manufacture of news, the construction of news frames, the function of agenda-setting, the issue of bias, the use and abuse of media by politicians, the question of

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ownership and control, the role of advertising. While the major focus is on news reporting and commentary, cultural politics in general (including popular culture) is examined.

BCM 301 History of Media and Communication

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16 credit points at 200 level
Co-requisites: None
Subject Description: Through a study of technology, this subject traces the role of media and communication forms throughout history. From orality and print culture, the subject debates the thesis that each culture/civilization has a "bias of communication" which shapes and determines its culture. Other communication technologies, including the telegraph, film, radio, television, the computer and the Internet, are investigated critically. The subject concludes with a more comprehensive and nuanced understanding of our contemporary digital media culture from the context of these historical antecedents.

BCM 357 Television Cultures

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 credit points at 200 level
Co-requisites: None
Exclusions: CCS 357, MACS357
Subject Description: This subject considers major debates and issues involved in television theory and criticism. The subject examines TV as a social and cultural practice, looking at formal and aesthetic features of genres, issues of representation and identity and historical and technological developments within local and global contexts.

BCM 401 Bachelor of Communication and Media Studies International Honours

Not on offer in 2008
Credit Points: 48
Pre-requisites: Completion of the BCM International core and at least one specialisation (not including the LOTE specialisation) with a 70% average plus two Distinctions in two 300 level subjects, at least one of which must be drawn from the core or specialisation in which the student intends to write their thesis or complete their project.
Co-requisites: None
Subject Description: The Honours program in year 4 of the BCM International comprises coursework. To complete the Honours year students must successfully complete two 12 credit point coursework subjects and must also undertake a supervised research project to be presented in a thesis of 15,000-20,000 words. The mark and Honours grade will be calculated using Method 3 which is based on the following weightings for the different subjects levels: 4 for 400 level; 1 for 300 level; and zero for both 100 and 200 levels. The ranges for the Honours grades awarded under this method are: 80% to 100% for Class 1; 72.5% to less than 80% for Class 2 Division 1; 65% to less than 72.5% for Class 2 Division 2; and Honours not awarded for marks between zero and less than 65%. The BCM International Honours thesis must be focused on the BCM Intl core and/or the Advertising and Marketing, Digital Communication, Journalism or Screen Studies specialisations. For the purposes of the Honours thesis, the LOTE specialisation is not included. It is expected that the thesis will be informed by students' core and specialisation extension subjects at 200 level, LOTE skills and knowledge and by their studies and experiences during the international semester.

BCM 402 Bachelor of Communication and Media Studies International Honours PT

Not on offer in 2008
Credit Points: 48
Pre-requisites: Completion of the BCM International core and at least one specialisation (not including the LOTE specialisation) with a 70% average plus two Distinctions in two 300 level subjects, at least one of which must be drawn from the core or specialisation in which the student intends to write their thesis or complete their project.
Co-requisites: None
Subject Description: The Honours program in year 4 of the BCM International comprises coursework. To complete the Honours year students must successfully complete two 12 credit point coursework subjects and must also undertake a supervised research project to be presented in a thesis of 15,000-20,000 words. The mark and Honours grade will be calculated using Method 3 which is based on the following weightings for the different subjects levels: 4 for 400 level; 1 for 300 level; and zero for both 100 and 200 levels. The ranges for the Honours grades awarded under this method are: 80% to 100% for Class 1; 72.5% to less than 80% for Class 2 Division 1; 65% to less than 72.5% for Class 2 Division 2; and Honours not awarded for marks between zero and less than 65%. The BCM International Honours thesis must be focused on the BCM Intl core and/or the Advertising and Marketing, Digital Communication, Journalism or Screen Studies specialisations. For the purposes of the Honours thesis, the LOTE specialisation is not included. It is expected that the thesis will be informed by students' core and specialisation extension subjects at 200 level, LOTE skills and knowledge and by their studies and experiences during the international semester.

BCM 411 Bachelor of Communication and Media Studies Honours

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: Completion of BCM core and at least one specialisation with a 70% average plus distinctions in two 300 level subjects, at least one of which must be drawn from the core or specialisation in which the student intends to write their thesis or complete their project .
Co-requisites: None
Subject Description: To be awarded a BCM(Hons) students must successfully complete two 12 credit point coursework subjects and must also undertake a supervised research project to be presented in a thesis of 15,000-20,000 words. NOTE: BCM 411 is for students enrolling in Honours on a full-time basis. Part-time students should enrol in BCM 412.

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BCM 412 Bachelor of Communication and Media Studies Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Completion of BCM core and at least one specialisation with at least 70% average plus two Distinctions at 300 level subjects at least one of which must be drawn from the core or specialisation in which the student intends to write their thesis or complete their project
Co-requisites: None
Subject Description: The 48 credit point honours program is taken over four consecutive sessions. It is equivalent of two 12 credit point subjects and a 24 credit point thesis or project of 15,000 - 20,000 words on a topic developed in consultation with the Convener of program and School Honours Coordinator. This subject is intended for students enrolling in Honours only on a part time basis. Full time candidates should enrol in BCM 411.

BCM 431 Bachelor of Communication and Media Studies Joint Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Completion of the Bachelor of Communications and Media Studies degree with a 70% average plus distinctions in two 300 level subjects at least one of which must be drawn from the Specialisation in which the student intends to write their thesis or complete their project; and meet the Honours pre-requisites for other discipline in the Joint Honours program.
Co-requisites: None
Subject Description: The 48 credit point BCM Honours program consists of two 12 credit point coursework subjects scheduled in first semester and approved by the School Honours Coordinator in collaboration with the Convenor/s of the academic unit/s concerned and will normally be composed of elements offered at 400-level. In second session candidates complete a 24-credit point thesis or project of 15,000-20,000 words or equivalent on a topic developed in consultation with the student's supervisor and approved by the Honours coordinator of the academic unit with prime responsibility for the thesis component and by the SSMAC School Honours Coordinator. Note. BCM 431 is intended for students enrolling in the Honours program only on a full time basis. Part time students should enrol in BCM 432.

BCM 432 Bachelor of Communication and Media Studies Joint Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Completion of the Bachleor of Communications and Media Studies degree with a 70% average plus distinctions in two 300 level subjects at least one of which must be drawn from the Specialisation in which the student intends to write their thesis or complete their project; and meet the Honours pre-requisites for other discipline in the Joint Honours program.
Co-requisites: None
Subject Description: The 48 credit point honours program is taken over four consecutive sessions. It is equivalent of two 12 credit point subjects and a 24 credit point thesis or project of 15,000 - 20,000 words on a topic developed in consultation with the Convener of program and School Honours Coordinator. This subject is intended for students enrolling in Honours only on a part time basis. Full time candidates should enrol in BCM 431.

COMM100 Employment Relations

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ERLS100
Subject Description: This subject introduces the ways in which individuals and institutions seek to control work and the employment relationship, giving strong consideration to contexts. The subject examines the methods, institutions and structures developed by the State, employers, and employees (managerial and non-managerial) and their organisations (such as trade unions, business lobbies and think-tanks) to represent their respective interests in the administration and control of the employment relationship. It concentrates in particular on describing the skeletal structure which lies below the surface for what passes for everyday knowledge about employment and industrial relations. It offers students a way of analysing events and processes which permits investigation rather than judgment.

DIGC101 New Media Communication

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BCM 101 New Media: Histories/Industries/Practices
Co-requisites: None
Subject Description: This subject introduces students to some of the principal forms of communication now regularized through the computer and the Internet. Students will learn to build web sites that ultimately will be integrated into a coordinated class project for online launching. Further study of the phenomenon of weblogs (blogs), podcasting, email, videocasting, text-messaging, mobile communication and online chat will be pursued with the intention of developing the skills for successful intervention in these new forms of communication that move seamlessly between personal and public forms of communication.

DIGC102 Methods of Research in Media and Communication Studies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: There are many techniques used by academic and industry researchers to investigate media and communication. This subject maps some of the principal approaches by researchers to analyse our media forms and to break down our communication systems of meaning. Policy studies, content analysis, audience research, surveys, questionnaires, industry research, conversational analysis, and textual analysis are among the approaches explored in this survey course. Both qualitative and quantitative techniques are investigated along with what kinds of research are developing through the Internet and other forms of new media.

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DIGC201 Game Culture: Video and Computer games as Communication Form

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36 cp at 100-level, including BCM 101: New Media ¿ Histories/Industries/Practices
Co-requisites: None
Subject Description: This subject first investigates the intricate world of video and computer gaming both from an industrial analytical perspective and from the perspective of the player (both online and offline player). It then advances on analysing the narrative and non-narrative qualities of games with the intention of allowing students to develop their skills at game development. Storyboarding and game architecture will be investigated to develop the students' skills at conceptualizing and developing game scenarios. Ultimately students collectively will develop their games for the pre-production stage of game development.

DIGC202 New Media and Globalization: Cyber-economies/Cyberculture

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36 cp at 100-level, including BCM 101: New Media ¿ Histories/Industries/Practices
Co-requisites: None
Subject Description: New media and computer mediated communication transcend many of the boundaries that have organized and operated in societies. This subject investigates the growing impact of this "cyberculture" on the organization of contemporary culture and society. The subject will address the following themes: new media law and intellectual property issues, the transformation of advertising and economies of the entertainment industries, transnational cultural flows, globalization, digitalization, work and production, and global and 'glocal' impacts of the knowledge economy.

DIGC301 Advertising and Promotional Culture

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16 credit points at 200 level
Co-requisites: None
Subject Description: Advertising and promotion are privileged discourses in contemporary culture. The ubiquity of advertising envelopes many of our cultural forms with associated messages. This subject is an investigation of how advertising and promotion have become so central to the organization of our culture. Through a brief excursion into its history followed by a close analysis of the present forms of advertising and promotion, the subject analyses our promotional culture and how it shapes our politics, how it is implicated in our entertainment and how it is situated as the lynchpin of a growth economy. Students will investigate the elaborate and complex nature of advertising campaigns and explore their multi-platform techniques employed across traditional and new media forms. Blogs, word-of-mouth and viral marketing and new forms of public relations and promotion will be analysed as the source for the cutting edge of our promotional culture as they augment what are now seen as more traditional forms of advertising and promotion.

DIGC302 Special Topics/Projects in Digital Media

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16 credit points at 200-level
Co-requisites: None
Subject Description: In order to facilitate the completion of projects begun in previous subjects in the digital communication specialization program, this special topics/project subject is fundamentally a form of directed/independent collaborative study that allows students to explore concepts/issues in more depth and/or complete a project that demand linkages with other departments (for example in the completion of a digital game production a connection to animators and computer science programmers would be part of the project). The objective of the subject is to actually produce some outcome whether that is in the form of an in-depth study of an aspect of new media and digital culture or whether that is a completed production/game/website. The week-to-week structure of the subject allows for testing of ideas and elements of a project through presentations to class mates and lecturers. A final exhibition is organized for the last week of the semester of all projects.

ELL 151 English For Academic Purposes: A Second Language Perspective 1

Autumn Wollongong
On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: ELL151 provides an introduction to English for Academic Purposes primarily for International students who have undertaken their school studies in a language other than English. It introduces and examines a general range of text types used in academic contexts, e.g. exposition, reports, explanations and discussions and includes both oral and written modes. This subject is the first subject leading to a major in English Language Studies.

ELL 152 English for Academic Purposes: A Second Language Perspective 2

Spring Wollongong
On Campus
Credit Points: 6
Pre-requisites: ELL151
Co-requisites: None
Subject Description: ELL152 introduces students to a range of skills, resources and understandings which are vital for successful participation at university. In the context of critically examining features of the academic tradition on which Wollongong University is based, a range of resources are explored to assist students in their production of written and spoken texts in the academic style. In identifying and using these resources, students' understanding of the basic structures and grammar of the English language is extended. Skills and strategies for listening, reading, writing and viewing in a tertiary context are explicitly introduced and practiced.

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ELL 161 English For Academic Purposes: A First Language Perspective

Autumn Shoalhaven
On Campus
Autumn Bega
On Campus
Autumn Batemans Bay
On Campus
Autumn Moss Vale
On Campus
Autumn Wollongong
On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: ELL161 introduces students to a range of skills, resources and understandings which are vital for successful participation at university. In the context of critically examining features of the academic tradition on which Wollongong University is based, a range of resources are explored to assist students in their production of written and spoken texts in the academic style. In identifying and using these resources, students' understanding of the basic structures and grammar of the English language is extended. Skills and strategies for listening, reading, writing and viewing in a tertiary context are explicitly introduced and practiced.

ELL 171 An Introduction to Systemic Functional Linguistics

Spring Wollongong
On Campus
Spring Batemans Bay
On Campus
Spring Shoalhaven
On Campus
Spring Moss Vale
On Campus
Spring Bega
On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ENGL130 or LANG110
Subject Description: This subject offers an introduction to the study of language in use, ways of describing it and ways of talking about it, i.e. a meta-language. The notion of studying language in use implies a functional perspective on language. Students are introduced to a particular functional perspective - the Systemic Functional model - which represents language as a system of choices and explores text operating within some context. There is a strong focus on the development of an understanding of the tools of linguistic analysis to describe grammar, meaning and context. This subject is a compulsory component of the English Language & Linguistics major.

ELL 271 Grammar & Discourse 1

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: ELL 171 OR ELS 171
Co-requisites: None
Exclusions: Not to count with ELS261
Subject Description: This subject consolidates and extends understandings developed in ELL 171 An Introduction to Linguistics. In particular ELL271 examines: experiential meanings which construct causation in the clause; clause complex relations: interdependency & logical relations; cohesion and the various resources through which this is achieved. The deployment of these resources in the construction of texts belonging to both the academic and non-academic registers is explored in order to highlight the differences between texts realising the two broad registers. This subject is the compulsory 200 level subject leading to a major in English Language & Linguistics.

ELL 310 World Englishes

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Any 36cp at 100 level and any 16cp at 200 level
Co-requisites: None
Exclusions: Not to count with ELS362
Subject Description: ELL310 examines the impact of globalisation on communication with a specific focus on the role and functions of English. It traces the development of English, the spread of English across the world as a native, second and foreign language and discusses its impact on the status of other languages. It also examines the use of English in intercultural encounters. A further focus is on analysing and producing texts characteristic of global English in business, the media and education. This subject is core to the English Language and Linguistics major. It is also of specific relevance to students majoring in a language, or in communication studies with a focus on language. It is a useful adjunct to students with an interest in the interaction between language, culture and society.

ELL 314 Language and Ideology

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: ELL 171 or equivalent
Co-requisites: None
Exclusions: EDUL314
Subject Description: This subject will examine the ways in which language expresses ideology. Drawing on the Systemic Functional Linguistic tool-kit, students will develop analytical skills that will enable them to explore, from multiple perspectives, the meanings construed in texts and text types, both within cultures (including sub-cultures) and across cultures.

ELL 371 Grammar & Discourse 2

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: ELL 271
Co-requisites: None
Exclusions: Not to count with ELS361
Subject Description: This subject consolidates and extends understandings developed in ELL 271. It addresses the systems of language through which technicality and evaluation/personality are construed in a range of texts belonging to the academic register and represented in a range of university disciplines. This subject is a compulsory 300 level subject leading to a major in English Language & Linguistics.

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ELL 451 Honours in English Language and Linguistics

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in ELL or ELS with at least 70% average plus two Distinctions in 300 level subjects in ELL or ELS.
Co-requisites: None
Subject Description: A BA(Hons) in English Language & Linguistics comprises of coursework (50%) and a supervised thesis (50%), which has been designed to prepare students for further research in future employment or future study. Honours in ELL requires the student to: (1) write three major essays totalling 11000-12000 words focusing on i) theoretical models in linguistics, ii) topics in English Language & Linguistics, and iii) methodologies in linguistics; (2) prepare and present orally a research proposal on a topic in English Language & Linguistics to be approved by the Coordinator of the ELL Major; (3) write a 15000 word dissertation based on research proposed in (2) above; and (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ELL 452.

ELL 452 Honours in English Language and Linguistics (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in ELL or ELS with at least 70% average plus two Distinctions in 300 level subjects in ELL or ELS.
Co-requisites: None
Subject Description: A BA(Hons) in English Language & Linguistics comprises of coursework (50%) and a supervised thesis (50%), which has been designed to prepare students for further research in future employment or future study. Honours in ELL requires the student to: (1) write three major essays totalling 11000-12000 words focusing on i) theoretical models in linguistics, ii) topics in English Language & Linguistics, and iii) methodologies in linguistics; (2) prepare and present orally a research proposal on a topic in English Language & Linguistics to be approved by the Coordinator of the ELL Major; (3) write a 15000 word dissertation based on research proposed in (2) above; and (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ELL 451

ENGL113 Contemporary Writing in Australia

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ENGL190
Subject Description: This subject will equip students with the critical skills to interrogate ethical, moral, racial, and gender issues within the social formation of Australia and to provide them with a basic knowledge of contemporary literary theory. This should enable students to analyze a range of texts (eg. print and film), as well as a diversity of types of text (eg. short stories, poems, interviews, illustrations, plays, novels and so forth). The subject will draw attention to marginalized discourses, and will challenge the idea that particular genres (autobiography, history) are more 'truthful' than others (fiction); or that particular discourses (European, Anglo-celtic) are more "valuable" than others (migrant, Aboriginal). As an introductory subject, it will provide a foundation for further studies within the discipline of English.

ENGL120 An Introduction to Literature and Screen Studies

Autumn Shoalhaven On Campus
Autumn Batemans Bay On Campus
Autumn Bega On Campus
Autumn Moss Vale On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is an introduction to the 'reading' and criticism of texts in various forms and media. Students will be introduced to the principles, processes and methodologies involved in the critical 'reading' of texts drawn from prose fiction, poetry, theatre, and film.

ENGL121 Text and Gender

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: (ENGL108) or (ENGL110)
Subject Description: This subject looks at the ways in which the concepts 'female' and 'male' are produced within a culture. Gender roles are produced according to set patterns determined in accordance with a variety of social needs and expectations. The subject examines how some of these patterns are constructed especially in literary texts. We begin with a three week section on the construction of gender and gender relations in English cultural history from the Renaissance to the late nineteenth century. Then the focus changes to concentrate specifically on the depiction of the 'female' and, to a lesser extent the 'male', in twentieth century texts. The subject will also consider the production of gender in screen media, from cinema to cyberspace. We will be looking at the ways in which the contemporary mediascape represents and re-creates gendered interaction as a source of narrative and visual pleasure.

ENGL217 Introduction to Poetry

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Subject Description: An introduction to the appreciation of poetry, and especially contemporary poetry, through exploration of basic poetic techniques, and through the writing of poetry in a variety of forms. It also includes a survey of the main theoretical approaches to the understanding of poetry. Topics include: 1. An introduction to poetry: what is it? In what ways does it differ from other texts? Some basic terms and concepts 2.

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The language and techniques of poetry 3. An introduction to some poetic forms from haiku to sonnet 4. An approach to the appreciation of poetry through writing

ENGL228 English Renaissance Literature and Culture

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Subject Description: This subject introduces students to the literature and culture of the English Renaissance. It focuses on a diversity of texts including plays, poetry, autobiographical writing, historical narrative, and contemporary observations; texts written by a number of major and minor writers of the period (eg Wyatt, Shakespeare, Donne, Milton, 'Ephelia', Mary Rich, Thomas Hariot, Walter Ralegh, Queen Elizabeth and others). The subject concentrates on the ways these texts inform and are informed by three major cultural contexts: the historical, the social, and the literary/generic.

ENGL229 Romantic Literature

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Subject Description: This is a study of the revolution of imagination in the late 18th and early 19th centuries - a period of exciting, daunting upheaval in political, social, scientific and aesthetic theory. Students are introduced to the philosophy of Romanticism as represented primarily through literary texts with particular emphasis on the Romantic poets (Blake, Keats, Clare, Shelley, Coleridge, Wordsworth & Byron)

ENGL230 Page to Stage: Modes of Performance

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Subject Description: This subject provides an introduction to the study of performance through text, theory, and practice. Elements of performance are explored through the study of specific scripts, and through practical work drawn from various performance modes. The connections between performances and their cultural contexts are explored, with special emphasis on gender, sexuality, politics, and nation. The subject also considers the crucial influence of genre - whether comedy, tragedy or satire - on performance and dramatic convention. The texts in the course range from Greek tragedy through the Renaissance stage to the avant garde and experimental challenges of the twentieth century.

ENGL243 Children's and Young Adult Fantasy Literature

Summer 2008/2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: (36cp including 6cp ENGL) OR (36cp including EDUF111) OR (36cp including EDUF212)
Co-requisites: None
Subject Description: The subject involves the study of some classical and some not-so-classical texts in the children's/YA area of fantasy writing. It introduces key concepts relevant to the special social and material conditions of this readership, and touches of topics of gender, educational context and sub-genre. Introductory lectures present the historical background and evolution of children's/YA fantasy, starting from folk tales and fairy tales.

ENGL244 Children's Literature in Australia

Not on offer in 2008
Credit Points: 8
Pre-requisites: (36cp including 6cp ENGL) OR (36cp including EDUF111) OR (36cp including EDUF212)
Co-requisites: None
Subject Description: This subject focuses primarily on contemporary Australian Children's fiction, offers a wider context for an appreciation of children's literature by examining a range of texts, including some Early Australian children's literature. This subject encourages a scholarly approach to the study of children's literature.

ENGL248 Chaucer

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Subject Description: This subject involves the study of some of The Canterbury Tales of Geoffrey Chaucer in Middle English and also provides an introduction to the literary and cultural context of his time. It considers the construction and representation of gender, sexuality, love, marriage, youth and age. The subject is designed to make Chaucer accessible to modern readers, who will find the texts racy, bawdy, witty, ironic, in their coverage of a wide range of human experience.

ENGL255 Eighteenth Century Literature and Culture

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Exclusions: ENGL256
Subject Description: Eighteenth-century English literature ranges from the biting social satire of Pope and Swift to the increasing popularity at the end of the century of the 'new' genres of Feeling - the Gothic and the novel of Sensibility. The period is known for its comic writing but this subject also focuses on the work of women writers - those 'other Augustans' whose skills of social observation considerably broaden our understanding of the period.

ENGL259 An Introduction to Canadian Literature

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Subject Description: This subject will focus primarily on contemporary Canadian fiction, but it will also offer a wider context for an appreciation of this country's literature by examining a range of texts, including prison and settler narratives, poetry and fiction by Canadian and Native writers. The subject will begin with a general lecture on Canadian social history (political, geographical and literary), and will be

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followed by a study of settler & convict journal extracts and First Nations' (Native Indian and Inuit) writing. The texts for this subject have been chosen to suggest a wide range of issues, styles and preoccupations in Canadian literature, and to cover, both geographically and imaginatively, the vast landscape of Canada.

ENGL260 Nineteenth Century Australian Literary Culture

Autumn Wollongong On Campus
Autumn Shoalhaven Flexible
Autumn Bega Flexible
Autumn Batemans Bay Flexible
Autumn Moss Vale Flexible
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL OR 36cp including 6cp ARTS
Co-requisites: None
Exclusions: (ENGL236) OR (ENGL258) OR (ENGL291) OR (CCS 215)
Subject Description: This subject examines nineteenth-century Australian literary culture in the context of contemporary critical theories of gender, race, class and colonialism. Amongst other things, it examines the representation and critique of gender roles, the process by which national literary canons and national identity are constructed, and the manner in which colonial ideology played a critical role in the representation of Aboriginal people and Aboriginality in the literature of the period.

ENGL264 Modernism

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Exclusions: (ENGL253)
Subject Description: This subject focuses on the theory and cultural production of modernism in the early decades of the 20th century. Literary texts by Kafka, Camus, Gide, Lawrence, Eliot, Woolf, Yeats, Joyce, Faulkner and Zora Neale Hurston will be read in conjunction with texts from science, psychology, art, music, literary and cultural theory.

ENGL265 English and Empire

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Subject Description: This subject considers supposedly 'universal' and 'neutral' English literary classics to show how the discipline of English literature arose out of imperialist expansion. It inspects colonial fiction to see how its discourse operates and it also surveys some rewriting of classics from Canada, Africa and the Caribbean exposing, parodying and subverting colonialist representations.

ENGL266 Literature of the Victorian Age

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Subject Description: The period of Queen Victoria's reign was one of paradox, characterised by a literature that was both inventive and forward looking on the one hand, and nostalgic - concerned with the forms and ideas of the past - on the other. It is a period of great social endeavour and reform in which the leading figures of the day engaged in public debate on the relationship between science and religion, the condition of the working class, and 'the woman question'. This was the age of the great public poet- -Tennyson & Elizabeth Barrett Browning; of political, social and cultural essayists like Thomas Carlyle & Matthew Arnold; and perhaps most characteristically, of the popular novelist, including the Bronte sisters, Dickens, George Eliot & Hardy.

ENGL267 Nineteenth-Century US Literature

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp ENGL
Co-requisites: None
Subject Description: Over the nineteenth century, the United States expanded westward across the North American continent into more or less its present form and grew from a fledgling republic into a world power. A range of often very innovative literature contributed to and critiqued the dominant ideas about American nationhood that accompanied these historical developments. This subject examines a selection of this literature (including poetry, short stories and novels) concentrating in particular on: literary genres and formal features; representations of the nation, the region, the city, and the domestic interior; issues around class, gender, ethnic and sexual identities.

ENGL312 Shakespeare, Jonson & Early Modern Dramatic Literature

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: A study of selected plays of the Elizabethan-Jacobean period with special reference to the relationships between the plays, contemporary English society and its concerns, and to the conditions of performance. The subject has been designed to complement the study of Shakespeare and seventeenth-century literature provided in ENGL228.

ENGL334 Critical Theory: Development and Debates

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This subject is an introduction to several critical movements that have currency in contemporary literary and cultural studies: structuralism, poststructuralism, psychoanalysis, materialist and historicist approaches, feminism and theories of gender and sexuality, and theories of post-coloniality and ethnicity. The subject explores the tensions and connections between these movements, attending to the ways in which each movement approaches questions of subjectivity and textual meaning. Students are also given the opportunity in one essay to deploy theoretical concepts through the reading of a literary text.

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ENGL337 Sex, Power, and Chivalry - Medieval to Modern Literature

Spring	Wollongong	On Campus
Spring	Shoalhaven	Flexible
Spring	Bega	Flexible
Spring	Batemans Bay	Flexible
Spring	Moss Vale	Flexible

Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This subject begins by providing an introduction to some of the major chivalric texts of the later Middle Ages, including Malory's tales of King Arthur, Sir Gawain and the Green Knight, the love lyrics of the troubadours and the female trobairitz, and the lais of Marie de France. It then goes on examine Cervantes' and others' famous early satires on knightly masculinity, Victorian writers' nostalgic revisitation of Camelot, modern popular romance fiction and the hardbitten knights of Hollywood Westerns. It takes a literary-historical approach, exploring the fascinating and highly complex relationship between gender and social rank in chivalric texts, and traces these texts' changing preoccupation with the issues of power, heroism, sexuality, secrecy, fidelity and betrayal. No previous knowledge of medieval literature is assumed.

ENGL345 20th Century Women's Literature

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This subject deals with the work of six modern women writers: Virginia Woolf, Katherine Mansfield, Sylvia Plath, Dorothy Hewett, Alice Walker and Jamaica Kincaid. Of particular concern are the cultural processes which so often lead to the mythologising of a woman writer's life, and the way this life/myth interacts with interpretations of that writer's work.

ENGL346 Contemporary Canadian Australian Literatures

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This course is constructed around the discussion of written and filmic texts. Though it is articulated around the theme of Australian and Canadian novels, films, poetry & plays, it will also focus on a number of general critical issues and theories including genre & generic conventions, feminism, post-colonialism, post-structuralism and on the strategies which various writers & film-makers from both countries use to put forward such perspectives. The dominant focus of the subject will be to examine the ways that writing from minority groups have redefined the shape and space of Canadian and Australian creative works. This subject will be focused to spotlight Indigenous writers and writers of colour, and to deal directly with theory written by these cultural practitioners about their own work.

ENGL350 Fantasy and Popular Fiction

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This subject will explore the development of various non-realistic genres of popular fiction such as other-world fantasy, science fiction, gothic, horror and so forth. The main focus of the subject will be on theoretical debates about the role of fantasy and genre in popular culture, using a series of texts, from Bram Stoker's Dracula to the X-Files as templates, as well as key interventions into the area by theorists such as Sigmund Freud, Rosemary Jackson, Jean Baudrillard, Jacques Lacan and contemporary Australian commentators including Meaghan Morris, Ken Gelder, Barbara Creed and John Docker.

ENGL355 Fourteenth Century Literature

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This subject engages in an exploration of dream vision, allegory, and mystic-erotic texts from the late Middle Ages, focusing on the fourteenth century. Students will study selections from Boethius, Dante, and their successors, Chaucer's famous dream vision 'The Book of Fame', the religious dream-poem, 'Pearl', and the mystic-eroticism of medieval women. Throughout the subject the notions 'dreaming', 'vision', and 'imagination' will be examined not only in terms of how they were understood in the Middle Ages, but also how we understand them today. The subject will examine the texts using a range of current critical and theoretical approaches, including feminist and gender-based readings.

ENGL365 19th Century Women's Literature

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This subject looks at the work of selected women writers in England, Australia, and the United States in the Nineteenth Century. The texts represent a variety of different types of writing - fiction, poetry, diaries, letters, and journalistic social commentary. The subject examines the establishment of the female writing self within the cultural structures and the socio/historical context of the nineteenth century, and the engagement of that self with the social and literary conventions of that time.

ENGL366 Black writing from Africa, the US and the Caribbean

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This subject provides a selective survey of some major works (fiction poetry, drama, film) from Africa, the Caribbean, and the USA. It studies the imagination of Africa and images of blackness, concentrating on later 20th century English-language texts. It explores dynamics of slavery, colonisation and decolonisation, constructions of authenticity and identity in terms of race, nation, diaspora and gender, the idea of a 'Black aesthetic' and the politics and poetics of literary form.

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ENGL373 Pacific Literature

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: A one-semester exposure to Pacific Basin writing from a representative range of genres (film, poetry, novel, plays, life-writing) and geographical sources (Guam, New Zealand, Samoa, PNG, Hawaii etc.) The primary focus is on works in English by ethnically indigenous writers. Classes will look at themes and literary techniques common to the region as well as specific qualities related to the societies from which the works emerge. There will be discussion about the critical evaluation and institutional recognition of 'minor' and 'regional' literatures. Note: This subject is an elective in the Asia-Pacific Studies major.

ENGL374 From Page to Screen

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This subject examines the two different worlds of literature and film as separate entities; it also examines the 'third' world that they create when they come together. At issue will be the debate over the appropriateness and success of the process of adaptation that has raged since the very beginnings of the film industry. Although the subject will examine some of the many difficulties which are encountered when a written text is brought to the screen, or when a film is translated into a novel, an important focus of the subject will be devoted to the theoretical areas of the debate covered in adaptation theory, using numerous literary and filmic examples both past and present.

ENGL375 Australia Fair: Nation, "Race", Culture

Spring Bega On Campus
Spring Shoalhaven On Campus
Spring Wollongong On Campus
Spring Moss Vale On Campus
Spring Batemans Bay On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This subject explores the interrelationship between cultural industries and the dominant story of the Australian nation. It takes into consideration a collection of texts from a variety of genres (including literature, film, television, children's literature, journalism etc) from different moments in Australian history and from many different locations. The subject considers the emergence of dominant national stories in relation to topics such as migration, urban and suburban space, interracial encounters, gender and class difference, travel to and from Australia.

ENGL376 Representing India

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level including 8cp of ENGL
Co-requisites: None
Subject Description: This Subject offers a survey of Indian writing in English from the turn of the 19th century to present. It introduces students to a range of cultural and social contexts for the selected works, drawing comparatively also on texts produced by non-Indian authors. It will aim to develop a dialogue about the way India has been represented from without and its depiction in the work of Indian writers working in English.

ENGL388 From Sojourners to Global Citizens:writing from the Chinese diaspora

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 8 cp at 200 level ENGL
Co-requisites: None
Subject Description: One of the most interesting developments in Western literatures over recent decades has been the emergence of writers from immigrant communities whose cross-cultural perspectives allow for a new understanding of both their home and their host nations. This subject explores fiction, poetry and life writing from the Chinese diaspora, tracing some of its major themes: immigration history; Chinatown culture; racism, cultural alienation and nostalgia; family life and generational conflict; life in pre-Communist and Communist China; globalisation and the 'new' China. The study will be informed by theories of multiculturalism, diaspora and globalisation.

ENGL411 English IV Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in English with at least 70% average plus two Distinctions at 300 level subjects in English.
Co-requisites: None
Subject Description: The Honours course consists of three subjects and a dissertation of 15,000 words. Course work constitutes 50%, and thesis 50% of the final mark. A research topic as defined by the student is approved in consultation with the Convenor of Program and the Honours Co-ordinator. A range of seminar subjects reflect staff research interests and ability. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ENGL412.

ENGL412 English IV Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in English with at least 70% average plus two Distinctions at 300 level subjects in English.
Co-requisites: None
Subject Description: The Honours course consists of three subjects and a dissertation of 15,000 words. Course work constitutes 50%, and thesis 50% of the final mark. A research topic as defined by the student is approved in consultation with the Convenor of Program and the Honours Co-ordinator. A range of seminar subjects reflect staff research interests and ability. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ENGL411.

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ENGL421 Combined Honours (English)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in English with at least 70% average plus two Distinctions in 300 level ENGL subjects and meet the honours entrance requirements in the other discipline.
Co-requisites: None
Subject Description: The combined Honours course will consist of a program of study approved by the Convenor of the English Studies Program in collaboration with the Convenor of the other Department or Program concerned. The course normally includes a combination of seminars drawn from both areas of study and a jointly supervised thesis. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ENGL422.

ENGL422 Combined Honours (English) (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in English with at least 70% average plus two Distinctions in 300 level ENGL subjects and meet the honours entrance requirements in the other discipline.
Co-requisites: None
Subject Description: The combined Honours course will consist of a program of study approved by the Convenor of the English Studies Program in collaboration with the Convenor of the other Department or Program concerned. The course normally includes a combination of seminars drawn from both areas of study and a jointly supervised thesis. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ENGL421.

ERLS100 Introduction to Employment Relations and Labour Studies

Autumn Wollongong On Campus
Autumn Bega On Campus
Autumn Batemans Bay On Campus
Autumn Shoalhaven On Campus
Autumn Loftus On Campus
Autumn Moss Vale On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: COMM100, MGMT142, ECON142
Subject Description: The employment relationship is studied in terms of the influence of the social, economic, political and legal environment and the power resources of employees and employers as well as others who seek to influence employment. The ideals and assumptions of labour, employers / managers, the State and other stakeholders are analysed in both historical and contemporary settings. The ways in which scholars from labour studies, employment relations and allied fields of studies approach analysis of employment relations will be explored and assessed.

ERLS240 Comparative Issues in Pay Determination

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 36cp at 100 level
Co-requisites: None
Exclusions: ECON140/240/ MGMT240
Subject Description: This subject explores the major economic and social processes and institutions that shape wage and salary determination in a variety of national and historical contexts. In so doing, it considers the inter-relationships between formal processes and institutions, cultural norms, and individual qualifications, skills, attributes and experiences for employees (and pseudo-employees) at all levels from most junior to most senior. Issues such as human capital theory, segmented labour markets, gender, race, class, cultural traditions, stages of economic development, and global imperatives on local and national institutions will be investigated from a variety of perspectives.

ERLS340 Comparative Perspectives on the Employment Relationship

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 credit points at 200 level
Co-requisites: None
Subject Description: This subject combines approaches to research methods, especially the comparative method, with explorations of a variety of employment relations processes and contexts from the perspectives of employers and employees. In particular, students will undertake guided comparative analysis of employment relations in a variety of historical, industrial, cultural and economic contexts. Employment relations in (a) 19th / 20th century US and UK, (b) "neo-liberal", social democrat, welfare state, socialist and communist economies, (c) Korea /Japan /India in historical and current contexts as well as New Zealand and Pacific Island in current and historical contexts (d) light of the impact of a variety of people-management styles (e) developing countries. Other contexts such as the impact of religions or the effects of remoteness, may also be investigated. The importance of context and apt method in order to undertake rigorous analysis will be emphasised.

ERLS342 Researching Employment Relations and Global Labour Studies

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 credit points at 200 level
Co-requisites: None
Exclusions: ECON342, MGMT342
Subject Description: This subject explores and evaluates approaches to qualitative research in employment relations, including the epistemological foundations of employment relations / labour studies research, critical thinking / reading and critical discourse analysis, as well as research design and planning. The use and evaluation of primary and secondary documents as well as legal, informal and organisation documents such as annual reports are studied, as are techniques of ethnography (including participant observation), case studies, interviewing, and surveys. Ethical issues in

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employment relations are also investigated. The focus of much of the assessment for this subject is a research project in an area germane to employment relations culminating in a research report of about 7,000 words.

ERLS348 Employers and Industrial Relations

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 24 cp at 200 level
Co-requisites: None
Exclusions: ECON348, MGMT348
Subject Description: The objective of this subject is to develop an understanding of the pressures and constraints on employers/managers, and the way these influence strategies in the control and administration of the employment relationship in different cultural and historical frameworks. This requires a critical analysis of theories, assumptions and analytical frameworks, as well as practical exercises and evaluation of historical and current trends. The influence of the State and product, labour and financial markets on the approaches of employers/managers will be examined and analysed.

ERLS352 Negotiation and Bargaining

Summer 2008/2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 cp at 200-level
Co-requisites: None
Subject Description: This subject introduces students to theories, concepts and techniques for developing and evaluating strategies and tactics for negotiating and bargaining at the workplace. Students will be assisted to develop a range of practical skills and familiarity with procedures through case studies and role playing, as well as a conceptual framework in which to analyse the role of different advocacy and negotiating strategies. The effect of a variety of cultural and social contexts will be explored.

EURO220 The European Union: Post-war integration, 1945 to the Present

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp at 100 level including 6cp HIST or 36cp at 100 level including 6cp POL or 36cp 100 level including 6cp AUST or 36cp at 100 level including FREN110 or 36 at 100 level including ITAL110
Co-requisites: None
Exclusions: HIST210, POL 210
Subject Description: This subject identifies and examines the political, economic and social processes driving European integration from the end of World War Two to the present. It explores the thinking behind and the development of the European Economic Community (EEC), its subsequent transformation into the European Union (EU), the influence of the US, the pivotal role of France and Germany in European integration, the relationship between nation states and supranational institutions, and the implications for Europe of the Cold War and collapse of the Soviet bloc.

EURO320 Nations without States in the European Union

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 credit points
Co-requisites: None
Exclusions: EURO210
Subject Description: This subject aims to study a range of European indigenous minorities and the dynamics of their relationship not only with the Nation-States within which they are situated, but also with each other. On the one hand it will look at the historical, political and economic integration of these minorities into the wider state; on the other, it will look at the linguistic and cultural elements of minorities that, together with the adoption of subsidiarity, are leading to the growing fragmentation of the European Union. Through a series of case studies of regions where a minority language is spoken, this subject will analyse how the rapid political and economic changes occurring in the European Union (EU) affect these relationships, either underpinning or undermining them.

EURO411 European Studies Honours

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in European Studies with at least 70% average plus two Distinctions at 300 level in European Studies Major.
Co-requisites: None
Subject Description: EURO 411 is the Honours year for the multidisciplinary major in European Studies. The structure of the Honours program of study will be arranged according to the disciplinary interests of enrolling students and will be decided after discussion between the Subject Co-ordinator and the relevant major co-ordinator within the Faculty of Arts or the relevant subject co-ordinator outside the Faculty if the Honours program involves a discipline outside the Faculty of Arts. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in EURO412.

EURO412 European Studies Honours (PT)

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in European Studies with at least 70% average plus two Distinctions at 300 level in European Studies Major.
Co-requisites: None
Subject Description: EURO 412 is the Honours year for the multidisciplinary major in European Studies. The structure of the Honours program of study will be arranged according to the disciplinary interests of enrolling students and will be decided after discussion between the Subject Co-ordinator and the relevant major co-ordinator within the Faculty of Arts or the relevant subject co-ordinator outside the Faculty if the Honours program involves a discipline outside the Faculty of Arts. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in EURO411.

FREN110 France and the French

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EURO110
Subject Description: This subject aims to introduce

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students to specific geographical, historical, cultural forces and social frameworks which contributed to shape modern France and its people. It seeks to provide essential information which forms a very basic part of every French speaker's consciousness by focusing on some of the elements of French culture which every French person possesses after finishing the minimum required education. The rationale behind such a subject is that such knowledge is assumed by every writer, journalist, film maker and students need to know that context in order to understand the various works they are studying in the Program.

FREN151 French IA Language

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: FREN151 is an interactive, semi-intensive language subject. It is the entry point to the French major for beginners or near-beginners in French. No prior knowledge of the language is assumed, but, with the objective of bringing students at least to the level of a sound HSC pass in one academic year, progress through the syllabus is rapid and highly structured. There is a dual focus on communicative and structural aspects of the language.

FREN152 French IB Language

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: FREN151
Co-requisites: None
Subject Description: The program of semi-intensive language instruction begun in FREN151 is sustained and developed in FREN152. It brings students at least to the level of a sound HSC pass by the end of the academic year. Progress through the syllabus is rapid and highly structured. There is a focus on communicative, structural and cultural aspects of the language.

FREN210 France in the Twentieth Century

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to provide an understanding of contemporary France. The main events that have occurred over the past century will be analysed with particular reference to their impact on French identity. Present-day French society with topics such as political institutions, the French economy, education, immigration, racism, etc... will be explained from a historical perspective. Through their research project students will explore the making of the specific identity of a French region.

FREN251 French IIA Language

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: (FREN152) or (approval of Head of Program on basis of HSC French).
Co-requisites: None
Subject Description: This subject is the entry point to the French major for students with a sound pass in 2U HSC French (or equivalent), and the second year of language studies for beginners or near-beginners. Language skills are developed and consolidated through the study of print, audio and video materials; current affairs; a systematic review and extension of basic grammar; listening and conversation activities; and exercises in written expression and reading comprehension. There is a focus on communicative, structural and cultural aspects of the language.

FREN252 French IIB Language

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: FREN251
Co-requisites: None
Subject Description: This subject continues and expands the program established in FREN251. Language skills are developed and consolidated through the study of print, audio and video materials; current affairs; a systematic review and extension of basic grammar; listening and conversation activities; and exercises in written expression and reading comprehension. There is a focus on communicative, structural and cultural aspects of the language.

FREN351 French IIIA Language

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: FREN252
Co-requisites: None
Subject Description: This subject has analytical and functional components. A study is made of a wide range of styles and registers of written French, including literary, business and commercial texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and contemporary cultural phenomena, detailed textual analysis, advanced grammar, and translation skills.

FREN352 French IIIB Language

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: FREN351
Co-requisites: None
Subject Description: This subject has analytical and functional components and continues the program begun in FREN351. A study is made of a wide range of styles and registers of written French, including literary, business and commercial texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and contemporary cultural phenomena, detailed textual analysis, advanced grammar, and translation skills.

FREN361 French IIIC

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: FREN252
Co-requisites: None
Subject Description: This is a reading course conducted under the direct supervision of a member of staff. Topics, as determined by the Coordinator for French, will be chosen from an area of French language, literature or civilisation and provide a program of advanced work complementing the student's prior studies in French. Offer is dependent on staff availability.

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FREN362 French IIID

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: FREN252
Co-requisites: None
Subject Description: This is a reading course conducted under the direct supervision of a member of staff. Topics, as determined by the Coordinator for French, will be chosen from an area of French language, literature or civilisation and provide a program of advanced work complementing the student's prior studies in French. Offer is dependent on staff availability.

FREN391 French Study Abroad A

Not on offer in 2008
Credit Points: 8
Pre-requisites: FREN252
Co-requisites: None
Subject Description: This subject provides specified credit for subjects in an area of French language, literature or civilisation undertaken at a French university and approved in advance by the Convener of French.

FREN392 French Study Abroad B

Not on offer in 2008
Credit Points: 8
Pre-requisites: FREN252
Co-requisites: None
Subject Description: This subject provides specified credit for subjects in an area of French language, literature or civilisation undertaken at a French university and approved in advance by the Convener of French.

FREN393 French Study Abroad C

Not on offer in 2008
Credit Points: 8
Pre-requisites: FREN252
Co-requisites: None
Subject Description: This subject provides specified credit for subjects in an area of French language, literature or civilisation undertaken at a French university and approved in advance by the Convener of French.

FREN451 French IV Honours

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in French with at least 70% average plus two Distinctions at 300 level subjects in French.
Co-requisites: None
Subject Description: To be awarded a BA(Hons) in French students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in French studies to be approved by the French Honours Coordinator. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, or methodological processes; (3) deliver an oral presentation of the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in French and at least one in English, the mix to be determined by the French Honours Coordinator. The oral presentation may be delivered in either French or English. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in FREN452.

FREN452 French IV Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in French with at least 70% average plus two Distinctions at 300 level subjects in French.
Co-requisites: None
Subject Description: To be awarded a BA(Hons) in French students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in French studies to be approved by the French Honours Coordinator. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, or methodological processes; (3) deliver an oral presentation of the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in French and at least one in English, the mix to be determined by the French Honours Coordinator. The oral presentation may be delivered in either French or English. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in FREN451.

HIST107 Empires, Colonies and the Clash of Civilisations

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Examines the history of empires and colonisation with particular emphasis on the way in which those empires interacted and 'clashed' especially European and Islamic empires. Major themes include theories of empire building and colonisation, relations between indigenous populations and imperial authorities, the roles of religion, militarism and commerce in empire. Empires to be studied could include: Mongol, Ottoman, Chinese, Mughal, Iberian, Dutch, British.

HIST109 Living Australia 1800-2000

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Living Australia investigates the factors that shaped everyday life for ordinary people in 2 centuries. It also investigates the changing emphasis given by national historians on these factors. It examines the convict era and its end, the construction of a bourgeois social order, the role of gender, ethnicity and aboriginality, the turmoil of the 1890s, the remaking of the Australian social order from 1900, the making of the market in the 1920s, the Depression, post 1945 changes in class, gender, ethnicity; the place of indigenous Australians in late 20th century Australia and the end of the century.

HIST124 The Cold War and After

Autumn Wollongong On Campus
Credit Points: 6

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Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the links between current political crises and the history of the Cold War. In particular the subject focuses upon the phenomenon of anti-Americanism and its connection to the Cold War. Students are invited to examine a range of case studies that examine the links between United States foreign policy and world crises. Case studies examined include the use of atomic weapons and Japan, the Suez Crisis and France, the Cuban Missile Crisis, the Vietnam War, the collapse of Communism, the USA and Islam and the USA and the United Nations.

HIST203 Australians and the Great War

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp POL or 36cp including 6cp AUST or 36cp including 6cp ARTS
Co-requisites: None
Exclusions: HIST336
Subject Description: This subject examines the impact of war on European Australian society to 1918 with an emphasis on the Home Front and the place of war as a catalyst for social change. Major themes examined include the nature of war, the geopolitical context of empire, enlistment and conscription, women and families in wartime Australia, disloyalists and 'enemies within', war and moral persuasion, the soldiers' war, grief and commemoration, and digger and Anzac as nation building myths. Selected campaigns in which Australians played a significant part will be acknowledged.

HIST216 Ancient History: Greece

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST
Co-requisites: None
Exclusions: Not to count with HIST205
Subject Description: This subject covers the history of Greece from the Archaic period to the Hellenistic kingdoms. After a background survey of Egypt and Mesopotamia it examines the development of the Greek polis, with particular emphasis on Athens and Sparta, the classical age of Athens, the Peloponnesian War and its effects, Alexander the Great and the diffusion of Greek culture through the Hellenistic Kingdoms. Themes to be explored include the nature of Athenian democracy, Attic tragedy, the role of women, militarism.

HIST217 Ancient History: Rome

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST
Co-requisites: None
Exclusions: Not to count with HIST205
Subject Description: This subject examines the history of Rome from the early republic to the collapse of the Western Empire in the fifth century CE. As well as providing a general survey of Roman History it will also focus on a number of key themes. These could include: the republican system of government, women in Rome, the significance of the military, Roman culture, slavery, the rise of Christianity, crises of the later empire. Some comparison with other contemporary Eurasian empires will be made.

HIST230 Gallipoli Study Tour

Winter Wollongong On Campus
Credit Points: 4
Pre-requisites: 36 credit points including 6 credit points in HIST or 6 credit points in AUST or 6 credit points in ARTS or 6 credit points in POL
Co-requisites: None
Subject Description: 'Gallipoli' occupies a significant place in Australia's history. This subject takes students to Turkey and the Peninsula to place 'Gallipoli' within its physical and cultural context. It examines Troy, Constantinople and the Ottoman Empire to provide the broad historical and cultural context for the study tour, the campaign in 1915 with a special emphasis on the Anzac sector and notions of pilgrimage, commemoration and grief. Lectures and seminars provide the introduction to the subject and will be followed by in situ seminars in Turkey and a debriefing seminar on returning to the main campus. Students will spend a week in Turkey.

HIST232 Russia in War and Revolution

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp POL or 36cp including 6cp AUST
Co-requisites: None
Subject Description: This subject looks at a broad sweep of Russian history from the Vikings to the collapse of the Soviet Union in comparative context. Topics dealt with in detail include early Russia, the Mongols, the tsars, the Russian revolution, the Soviet Union and the Gorbachev era. The subject investigates the crucial role Russia has played in world history.

HIST239 A Cultural History of Water

Spring Wollongong On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Moss Vale On Campus
Spring Shoalhaven On Campus
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Subject Description: Water has become the dominant issue in environmental debates worldwide, and achieving a balance between water needs and protecting water resources is one of the most urgent issues of the 21st century. This subject focuses on the history of water as central to Australian culture from a variety of perspectives. It explores inland river systems through early colonial hopes in a mythical inland sea; the ambitions invested in irrigation; the crisis in urban water supply; our changing orientations to the oceans around us; and some of the recreational uses of water through the history of swimming, beaches, lifesaving and surfing. The subject looks at the ways water has a history, and how that history is crucial to thinking about how we want to live in the future.

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HIST255 Australia and Asia: Connections and Comparisons

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Subject Description: Australia's place in the Asia-Pacific region will be considered in the light of historical connections and comparisons between Australia and Asia, with an emphasis on late nineteenth and twentieth century history. Themes explored include experiences of colonialism; Asian migration and multiculturalism; comparative studies of citizenship and labour relations; and changing Asian-Australian relations in the aftermath of World War Two.

HIST260 War, Military Revolution and the Rise of the State 1340-1660

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST, or 36cp including 6cp POL
Co-requisites: None
Subject Description: This subject focuses on the nature of, and transition from, medieval to modern warfare, and on the influence of war in the decline of feudalism and development of the modern European state. It will look at the major European wars between 1339 and 1659 and examine changes in warfare, the Military Revolution debate, and the emergence and rise of the 'new monarchies' and the centralized European state.

HIST275 The Growth of the United States, 1865-1898

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST
Co-requisites: None
Subject Description: This subject examines the growth of the United States in the period following the American Civil War. It looks at the frontier experience and the role of Manifest Destiny. It also considers the impact of industrial change. Issues of race, class, gender and ethnicity are considered as factors in the development of the postbellum United States. Attention is directed to the tensions of an expanding nation state and the Spanish-American War of 1898 is used as a measure of US progress in the second half of the nineteenth century.

HIST276 America's Rise to Globalism Since 1919

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp AUST
Co-requisites: None
Subject Description: This subject is concerned with the rise of the United States to world leadership. The US entered the European war massively in debt as a consequence of its industrial expansion during previous decades. It emerged as the great creditor nation of the world. During the remainder of the twentieth century, this position of pre-eminent wealth was converted into global power. The dominance of the United States and its emergence as the reigning hegemon is explored through a range of political, diplomatic, military, social, and economic issues.

HIST286 From Ancient Kingdoms to Colonies: Southeast Asia, 1500-1900

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp POL or 36cp including 6cp AUST
Co-requisites: None
Subject Description: This subject examines the forces of change in Southeast Asia between 1500 and 1900. Religion, trade and aspects of social organisation such as law and slavery are analysed in terms of their relationships to indigenous political systems. These factors are then examined in terms of the changing role of Europeans in Southeast Asia, as they went from marginal traders to colonial rulers.

HIST288 Religion and Military Rule in Southeast Asia

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp POL or 36cp including 6cp AUST
Co-requisites: None
Subject Description: Examines the twentieth-century experiences of colonialism, nationalism and modernisation in Burma, Thailand, Laos and Cambodia. We ask what the roles of Buddhism and ethnicity were in these transformations, and how they are compatible with the two forces of socialism and militarism.

HIST291 Film and History

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp HIST or 36cp including 6cp POL or 36cp including 6cp AUST or 36cp including 6cp CCS or 36cp including 6cp ARTS or 36cp including 6cp SMAC
Co-requisites: None
Subject Description: Film is a powerful tool when it comes to representations of the past, frequently commanding more popular authority than the works of scholars. Books take a long time to read: movies or documentaries are consumed within a matter of hours. But what makes a film 'historical'? Film can reflect the present through the use of the past. Films made in the past offer an interesting insight into their contemporary culture. Documentaries appear to offer historical 'truths'. Film has been used to promote the views of the state through propaganda . Using selected examples, this subject examines film as an interpretive tool in historical representation and the use of film as a source of social history. Six films will be screened in the subject. History, rather than the medium, is the focus of the subject.

HIST300 Reporting War: A History

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level HIST or 16cp at 200 level POL
Co-requisites: None
Subject Description: This subject deals with the

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relationship between war and media in the twentieth century. It critically examines the conventions and cliches of war reporting as well as representations of war in literature and film. It analyses the role of media and public opinion in encouraging and discouraging war. The subject surveys the major conflicts of the distant past and recent present and case studies are drawn from Ancient Greece, World Wars One and Two, the Vietnam and Gulf Wars as well as more recent conflict in the Middle East.

HIST318 The Making of the Modern Australian Woman

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level HIST or 16cp at 200 level POL including POL290
Co-requisites: None
Subject Description: This subject examines the forces determining the position of women in Australian society in the twentieth century. It begins with the demographic transition of the 1890s and explores the effects of reduced fertility on marriage and family formation in the twentieth century and how these changes affected the lives of women. Analysis of the domestic ideology and the rise of women's liberation are major themes. How structural change in the Australian economy affected women's life chances by creating or limiting their education and employment forms is an important area of enquiry.

HIST322 Nazism, Stalinism and World War Two

Autumn Shoalhaven On Campus
Autumn Wollongong On Campus
Autumn Moss Vale On Campus
Autumn Batemans Bay On Campus
Autumn Bega On Campus
Credit Points: 8
Pre-requisites: 16cp HIST at 200 level; or 6cps ARTS and 16cps at 200 level.
Co-requisites: None
Subject Description: Some political commentators claim that we now live in an era of terror or that we are witnessing a Third World War, evoking memories of the Hitler and Stalin eras of the 1930s and 40s. How valid are such comparisons? How did Nazism and Stalinism function? Were Nazism and Stalinism simply different versions of the totalitarian nightmare or very different systems that reflected different ideologies and/or the distinctive national histories of Russia and Germany? How important was the legacy of Nazism and Stalinism for international relations after World War Two? Could Nazism or Stalinism arise once more? This subject will help students to answer these questions in the light of the most recent scholarship and contemporary debates.

HIST325 Theory and Method of History

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level HIST
Co-requisites: None
Subject Description: This subject investigates theory and practice of contemporary historical enquiry. Theoretical issues examined include: causation in historical enquiry; types of explanation; facts versus values; varieties of history writing; the production and status of historical knowledge. Methodology issues include: formulating research problems; planning and undertaking research; understanding and using secondary and primary sources; accessing and retrieving research information.

HIST334 Regional History

Autumn Wollongong On Campus
Autumn Moss Vale On Campus
Autumn Shoalhaven On Campus
Autumn Bega On Campus
Autumn Batemans Bay On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level HIST OR 6cp ARTS plus 8cp at 200 level HIST
Co-requisites: None
Subject Description: Regional studies approach history from the perspective of place. They examine the response of regional and local communities to the general responses identified by historians. This subject examines the nature of regional identity, place and landscape using both theoretical literature and case studies. The regions chosen can vary from year to year.

HIST339 Australians and War: From Kokoda to Iraq

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level HIST
Co-requisites: None
Exclusions: hist336
Subject Description: This subject examines the impact of war on Australian society between 1939 and 2004. Its focus is the Home Front and the place of war as a catalyst for social change. Major themes examined include the geopolitical context for war, enlistment and conscription, women and families in wartime Australia, Indigenous Australians and war, social and political change, prisoners and internees, opposition to war, the place and power of returned service personnel organisations and the place of war in popular culture. Special attention is paid to Australia's 'Asian wars', especially the war against Japan and the Vietnam conflict. Contemporary military commitments round out the subject.

HIST340 New approaches to Australian urban and rural working class history

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level HIST
Co-requisites: None
Subject Description: This subject examines new approaches to the social and cultural history of the Australian working class between 1840 and 1930. It provides a critical examination of the relationship between working class lived experience of capitalism and the development of individual and collective working class responses, identities and cultures. The subject examines class experience from the point of view of gender, ethnicity, Aboriginality as well as class. To do so it draws on working class biography, oral history, labour process history, feminist labour history, rural and urban history.

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HIST341 The Struggle for Europe, 1494-1713

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level HIST
Co-requisites: None
Subject Description: This subject will examine the rivalry and wars between two 'new monarchies', France and Spain, as they fought across western Europe in the 16th and 17th centuries to gain the balance of power, and then fought for the control of Spain itself. It will look at the Franco-Spanish wars between 1494 and 1713, wars which determined not only the future political map of Europe but also the nature of warfare.

HIST342 Sickness and death: Social history and public health in Australia

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level HIST
Co-requisites: None
Subject Description: Examines the history of the identification of and responses to sickness, death and disease in colonial and post-colonial Australia. It will use case studies to investigate the historical roles of doctors, nurses and other health professionals and the history of public health agencies in Commonwealth and State governments. The case studies will also examine the history of the health of indigenous Australians and ethnic minorities and public health concerns arising from urban growth, immigration and industry. In the case studies, a particular emphasis will be placed on the use of primary documents such as parliamentary papers, archival manuscripts, films, photographs and oral histories.

HIST350 Debates in Australian Cultural History

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 24cp at 200 level
Co-requisites: None
Exclusions: AUST300
Subject Description: This subject focuses on the ways that contested versions of Australia's past have animated public debates in recent years. It explores the new theoretical approaches to history-making and the new areas of historical research that have emerged in the last half of the twentieth century. The subject highlights the ways that past events are never fully fixed in historical narratives, but are revisited as each generation returns to the past with different questions, based on their own experiences and concerns. It considers debates between Australian historians, sometimes dubbed the 'History Wars', and how they have been expressed within political life and cultural institutions. Topics covered will include debates about the size and composition of the Australian population; Australia as both a colonised and colonising nation; the extent of frontier violence; visions of Australian landscape; the emergence of identity politics; museum practice; and who is authorised to tell the national story.

HIST379 Culture and Identity in Indonesian History, 1870-2002

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level HIST
Co-requisites: None
Subject Description: Examines Indonesian experience and perceptions of the modern age. Using novels, autobiographies, films and other texts the subject examines the roles of Javanese and other cultures in Indonesian nationalism, Dutch colonialism, the Revolution, the politics of culture in post-Revolution Indonesia, the rise of the military and the role of Socialism. Particular attention is paid to the ideology of development in Suharto's Indonesia, using tourism in Bali as a case study.

HIST381 Comparative Indigenous History

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points
Co-requisites: None
Subject Description: This subject examines the history discourses of non-Western societies ¿ the indigenous or colonised and offer an alternative to the Master Narratives. Indigenous / colonised / western students will study indigenous or colonised varieties of historical experience and their permutations of memory. Topics include: Indigenous Australian and American Indian historicity; Indigenous rituals and western historical re-enactments of indigenous pasts; Contrasting views of Indigenous and western "conquest" or "frontier" histories ¿ resistance, raiding and warfare; government "indigenous policies"; History of the western justice system in relation to Indigenous Australians and American Indians; Introduction to the histories of indigenous societies of the South Pacific region.

HIST394 Commodification History

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200-level HIST
Co-requisites: None
Subject Description: Commodification history studies the historical processes that lead to the increasing commodification of everyday life. The subject studies historical examples of commodification in Australia and Asian-Pacific societies, including labour, consumption, aboriginality, art and culture, sport, human reproduction, nature, and information. The course emphasises the social, political and cultural dimensions of commodification, when understood as a site of struggle or alliance between social groups [classes, genders, ethnicities, sexualities]. The course also examines the relationship between commodification and the construction of selfhood in different societies. The specific case studies can vary from year to year.

HIST411 History IV (Honours)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in History with at least 70% averge (including HIST325) plus two Distinctions at 300 level subjects in History.
Co-requisites: None
Subject Description: A History Honours program comprised of coursework and a supervised thesis has

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been designed to prepare students for further research in future employment or future study. The two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in History is an exploration of theoretical literature through reading, discussion and writing. Half of the subject is the development, research and writing of a 15,000 - 18,000 word research thesis under the supervision of an academic at the University of Wollongong. Students will begin to work with the supervisor during their first session of candidature with the goal of producing a thesis proposal by the end of that session.

HIST412 History IV (Honours) (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in History with at least 70% averge (including HIST325) plus two Distinctions at 300 level subjects in History.
Co-requisites: None
Subject Description: A History Honours program comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. The two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in History is an exploration of theoretical literature through reading, discussion and writing. Half of the subject is the development, research and writing of a 15,000 - 18,000 word research thesis under the supervision of an academic at the University of Wollongong. Students will begin to work with the supervisor during their first year of candidature with the goal of producing a thesis proposal by the end of that year. Part time students are expected to complete the coursework before beginning the major work on the thesis.

HIST431 Joint Honours in History and Another Discipline

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in History with at least 70% average (including HIST325) plus two Distinctions at 300 level subjects in History and meet the Honours entrance requirements for the other discipline.
Co-requisites: None
Subject Description: An interdisciplinary honours program incorporating history comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. At least two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness or similar in another discipline develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in History is an exploration of theoretical literature through reading, discussion and writing. Other disciplines offer similar theoretical seminars. Half of the subject is the development, research and writing of a 15,000 - 18,000 word research thesis under the supervision of an academic from each discipline at the University of Wollongong. Students will begin to work with supervisors during their first session of candidature with the goal of producing a thesis proposal by the end of that session. NOTE - Students must meet with School Honours Coordinators to determine the precise construction of the coursework component well before the beginning of the session in which they intend to begin study.

HIST432 Joint Honours in History and Another Discipline (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in History with at least 70% average (including HIST325) plus two Distinctions at 300 level subjects in History and meet the Honours entrance requirements for the other discipline.
Co-requisites: None
Subject Description: An interdisciplinary honours program incorporating history comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. At least two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness or similar in another discipline develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in History is an exploration of theoretical literature through reading, discussion and writing. Other disciplines offer similar theoretical seminars. Half of the subject is the development, research and writing of a 15,000 - 18,000 word research thesis under the supervision of an academic from each discipline at the University of Wollongong. Students will begin to work with supervisors during their first year of candidature with the goal of producing a thesis proposal by the end of that year. NOTE - Students must meet with School Honours Coordinators to determine the precise construction of the coursework component well before the beginning of the session in which they intend to begin study.

INDO151 Introductory Indonesian 1A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: INDO104
Subject Description: INDO151 has a dual focus on communicative and structural aspects of the language using a methodology that combines aspects of the communicative and functional/situational approach with grammar instruction. Listening, speaking, reading and writing skills are developed through a combination of the classroom activities and assignments. It is designed to give students grounding in the skills they need to understand and use Indonesian in a range of everyday, non-specialist contexts such as informal social

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occasions, shopping, dining out and the classroom context. Use is made of different media including audiovisual material and computer-aided language learning. Class time is divided between interactive language work, linguistic reflection and introduction to Indonesian culture and society. Oral and written assessment tasks are continuous throughout the session.

INDO152 Introductory Indonesian 1B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: INDO151
Co-requisites: None
Exclusions: INDO105
Subject Description: In this subject the Indonesian language is reinforced using a methodology that combines aspects of the communicative and functional/situational approach with grammar instruction. It is designed to give students grounding in the skills they need to understand and use Indonesian in a range of everyday, non-specialist contexts such as sightseeing, seeking directions, evaluating people, places and things etc. Use is made of different media including audiovisual material and computer-aided language learning. Class time is divided between interactive language work, linguistic reflection and further acculturation into Indonesian culture and society.

ITAL110 Italy and the Italians

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EURO110
Subject Description: This subject aims to introduce students to specific geographical, historical, cultural forces and social frameworks which contributed to shape modern Italy and its people. It seeks to provide essential information which forms a very basic part of every Italian speaker's consciousness by focussing on some of the elements of Italian culture which every italian person possesses after finishing the minimum required education. The rationale behind such a subject is that such knowledge is assumed by every writer, journalist, film maker and students need to know that context in order to understand the linguistic and cultural aspects of Italy studied in their other subjects. The subject provides an introduction to the basic elements of geography, history and society of Italy. It initially examines how geography has shaped the cultural and economic life of Italy's regions over many centuries. It then focuses on the Italian Renaissance and traces the history of the Italian state from unification until the present.

ITAL151 Italian IA Language

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: LANG153 or ITAL103
Subject Description: Italian 151 is a semi-intensive introductory subject in reading, writing, listening and speaking Italian for students with no previous knowledge of the language. It is the entry point to the Italian major for beginners or near-beginners in Italian. This subject provides an introduction to the Italian language using a methodology that combines aspects of the communicative and functional/situational approach with grammar instruction. It is designed to give students grounding in the skills they need to understand and use Italian in a range of contexts. Use is made of different media including audiovisual material and computer-aided language teaching. Class time is divided between interactive language work, linguistic reflection and introduction to Italian culture and society.

ITAL152 Italian IB Language

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ITAL151
Co-requisites: None
Subject Description: The program of semi-intensive language instruction begun in ITAL151 is sustained and developed in ITAL152. It brings students to a level of a sound HSC pass by the end of the academic year. In this subject the Italian language is reinforced using a methodology that combines aspects of the communicative and functional/situational approach with grammar instruction. It is designed to give students grounding in the skills they need to understand and use Italian in a range of contexts. Use is made of different media including audiovisual material and computer-aided language teaching. Class time is divided between interactive language work, linguistic reflection and introduction to Italian culture and society.

ITAL251 Italian IIA Language

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: ITAL152
Co-requisites: None
Exclusions: EURO251 OR ITAL205 OR LANG251 OR MLCI205
Subject Description: This subject is the entry point to the Italian major for students with a sound pass in 2U HSC Italian (or equivalent), and the second year of language studies for beginners or near-beginners. In this subject language skills are developed and consolidated through the study of print, audio and video materials; current affairs; a systematic review and extension of basic grammar; listening and conversation activities; and exercises in written expression and reading comprehension. There is a focus on communicative, structural and cultural aspects of the language.

ITAL252 Italian IIB Language

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: ITAL251
Co-requisites: None
Exclusions: EURO252 OR ITAL206 OR LANG252 OR MLCI206
Subject Description: This subject continues and expands the program established in ITAL251. Language skills are developed and consolidated through the study of print, audio and video materials; current affairs; a systematic review and extension of basic grammar; listening and conversation activities; and exercises in written expression and reading comprehension. There is a focus on communicative, structural and cultural aspects of the language.

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ITAL351 Italian IIIA Language

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: ITAL252
Co-requisites: None
Exclusions: EURO351 OR ITAL305 OR LANG351 OR MLCI305
Subject Description: This subject has functional and analytical components. It aims to develop students' language proficiency and extend students' knowledge of contemporary Italian culture and society. A study is made of a wide range of styles and registers of written Italian, including literary and linguistic texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and salient issues in contemporary Italy, detailed textual analysis, advanced grammar and focus and reflection on form and register.

ITAL352 Italian IIIB Language

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: ITAL351
Co-requisites: None
Exclusions: EURO352 OR ITAL306 OR LANG352 OR MLCI306
Subject Description: This subject has functional and analytical components and continues the program begun in ITAL351. It aims to develop students' language proficiency and extend students' knowledge of contemporary Italian culture and society. A study is made of a wide range of styles and registers of written Italian, including literary and linguistic texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and salient issues in contemporary Italy, detailed textual analysis, advanced grammar and focus and reflection on form and register.

ITAL391 Italian Study Abroad A

Not on offer in 2008
Credit Points: 8
Pre-requisites: ITAL252
Co-requisites: None
Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in an area of Italian language, literature or civilisation undertaken at an Italian university. These subjects must be approved by the Convener of Italian BEFORE the student's departure for study abroad.

ITAL392 Italian Study Abroad B

Not on offer in 2008
Credit Points: 8
Pre-requisites: ITAL252
Co-requisites: None
Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in an area of Italian language, literature or civilisation undertaken at an Italian university. These subjects must be approved by the Convener of Italian BEFORE the student's departure for study abroad.

ITAL393 Italian Study Abroad C

Not on offer in 2008
Credit Points: 8
Pre-requisites: ITAL252
Co-requisites: None
Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in an area of Italian language, literature or civilisation undertaken at an Italian university. These subjects must be approved by the Convener of Italian BEFORE the student's departure for study abroad.

ITAL451 Italian IV Honours

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in Italian with at least 70% average plus two Distinctions at 300 level Italian.
Co-requisites: None
Subject Description: To be awarded a BA(Hons) in Italian students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in Italian studies to be approved by the Italian Honours Coordinator. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, or methodological processes; (3) deliver an oral presentation of the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in Italian and at least one in English, the mix to be determined by the Italian Honours Coordinator. The oral presentation may be delivered in either Italian or English. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in ITAL452.

ITAL452 Italian IV Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in Italian with at least 70% average plus two Distinctions at 300 level Italian.
Co-requisites: None
Subject Description: To be awarded a BA(Hons) in Italian students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in Italian studies to be approved by the Italian Honours Coordinator. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, or methodological processes; (3) deliver an oral presentation of the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in Italian and at least one in English, the mix to be determined by the Italian Honours Coordinator. The oral presentation may be delivered in either Italian or English. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in ITAL451.

JAPA101 An Introduction to Japanese

Summer 2008/2009 Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JAPA102 or JAPA103 or JAPA141 or JAPA142 or JAPA143

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Subject Description: This subject is not part of the Japanese major, but is being offered as an elective subject in the Summer Session. It is designed for students with no prior knowledge of the Japanese language. It will introduce the syllabaries of Japanese, Hiragana and Katakana and survival language functions relevant to contemporary contexts. NOTE: This subject is for beginners. It cannot be taken with JAPA102/103 or any JAPA subject above JAPA141 level). This subject has been offered in summer session, but may not be offered every year. The timetable for summer session subjects is available on the web in October of each year.

JAPA102 Japanese Studies for Educational Purposes

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JAPA101 or JAPA103 or JAPA141 or JAPA142 or JAPA143
Subject Description: This subject provides the opportunity for students in Education to become equipped to teach Japanese in primary schools. It is not part of the Japanese major, but is being offered as an elective subject in the Bachelor of Education (Primary). It is designed for students with no prior knowledge of the Japanese language. It will introduce the syllabaries of Japanese, Hiragana and Katakana and survival language functions relevant to educational contexts. It will also survey current issues in Japanese education. It is divided into language seminars and language teaching methodology lectures.

JAPA103 Japanese Studies for Business Purposes

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JAPA101 or JAPA102 or JAPA141 or JAPA142 or JAPA143
Subject Description: This subject is not part of the Japanese major, but is being offered as an elective subject targeting students enrolled in the Bachelor of Commerce. It is designed for students with no prior knowledge of the Japanese language. JAPA103 will introduce the syllabaries of Japanese, Hiragana and Katakana, and survival language functions relevant to commerce contexts. It will also survey current issues in Japanese business. It is divided into language seminars and Japanese economics and business studies lectures.

JAPA110 Japan and the Japanese

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject aims to provide an understanding of modern Japan both from political and cultural viewpoints. It will familiarise students with some of the general trends, important milestones and main issues that have influenced the formation of modern Japan by surveying major developments in Japanese history from the late Tokugawa period onwards. The approach is chronological, and will focus on political developments as well as social and cultural aspects of Japan's transformation in the last 150 years. Discussion of such transformation will provide the context for consideration of contemporary issues in modern Japan. Educated modern Japanese nationals assume such knowledge and students need to know this context in order to develop an appreciation of aspects necessary for any intellectual interaction, linguistic or cultural, with Japan and its people.

JAPA141 Beginners' Japanese I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JAPA151
Subject Description: This subject introduces the basics of Japanese language covering the pronunciation and the writing of the hiragana and katakana syllabaries and kanji (Chinese) characters, as well as basic Japanese sentence construction. A situational approach will be used, with each lesson building on vocabulary, grammar and presenting students with increasingly complex situations.

JAPA142 Beginners'Japanese II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: JAPA141 (or JAPA151) or equivalent
Co-requisites: None
Exclusions: JAPA152
Subject Description: The program begun in JAPA141 is continued and expanded and its aims are to further develop the interrelated goals of Japanese language learning, which include communication, sociocultural skills, learning how-to-learn, language and cultural awareness, and general knowledge of Japan and Japanese.

JAPA143 Beginners' Japanese III

Summer 2008/2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: (JAPA152) or (JAPA142)
Co-requisites: None
Exclusions: (JAPA153) or (JAPA154)
Subject Description: This subject continues and expands the program begun in JAPA141 and JAPA142. This subject is set between the beginners and the intermediate Japanese course, and its aims are to further develop the interrelated goals of Japanese language learning, which include communication, sociocultural skills, learning how-to-learn, language and cultural awareness, and general knowledge of Japan and Japanese. The timetable for summer session subjects is available on the web in October of each year.

JAPA161 Post HSC Japanese I

Not on offer in 2008
Credit Points: 6
Pre-requisites: (Pass in 2Unit/3Unit HSC equivalent).
Co-requisites: None
Subject Description: Students who have completed HSC Japanese should enrol in JAPA261. This subject is for students who have studied Japanese at 2 Unit HSC level. It develops skills in speaking, listening to, reading and writing Japanese. It also continues the study of the social context of Japan and the aesthetic use of

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the language. The subject concentrates on developing language study skills, computer skills and an analytic understanding of the Japanese language in general.

JAPA162 Post HSC Japanese II

Not on offer in 2008
Credit Points: 6
Pre-requisites: JAPA161
Co-requisites: None
Subject Description: This subject is for students who have achieved minimum 50% in JAPA 161 or the equivalent. It continues to develop skills in speaking, listening to, reading and writing Japanese. It also continues the study of the social context of Japan and the aesthetic use of the language. The subject concentrates on developing language study skills, computer skills and an analytic understanding of the Japanese language in general.

JAPA261 Intermediate Japanese I

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: (JAPA153) or (JAPA143) or (JAPA162) or (JAPA154)
Co-requisites: None
Subject Description: This subject is a continuation of JAPA143 (& JAPA162) and continues and expands the program begun in JAPA141/151/161. It provides students with the opportunity to further build on and improve Japanese written and aural skills at an intermediate level.

JAPA262 Intermediate Japanese II

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: JAPA271 OR JAPA264
Co-requisites: None
Subject Description: This subject is a continuation of JAPA261 and JAPA271 or JAPA264. It continues the program begun in JAPA141, JAPA151 and JAPA161. It provides students with the opportunity to further build on and improve Japanese written and aural skills at an intermediate level.

JAPA264 Japanese IIC Language (Wollongong)

Winter Wollongong On Campus
Credit Points: 8
Pre-requisites: (JAPA261)
Co-requisites: None
Exclusions: JAPA271
Subject Description: JAPA264 is a semi-intensive language subject offered during the winter session ONLY for students who have successfully completed JAPA261 and are unable to do JAPA271 (In-country Japanese Session). The subject builds on what has been achieved in Japanese language learning up to the end of JAPA261 and attempts to provide an alternative to students who cannot participate in JAPA271 for valid reasons. It is a directed intensive study subject.

JAPA271 In-country Japanese session

Not on offer in 2008
Credit Points: 8
Pre-requisites: (JAPA261)
Co-requisites: None
Exclusions: JAPA264
Subject Description: The in-country Japanese session requires the students to live with a Japanese host family in Kawasaki (Wollongong's sister city) and attend all lectures/seminars/excursions that are arranged in order to enhance both language and cultural understanding. Excursions include visits to schools and university, and seminars include cultural experiences such as learning how to put on kimonos and to conduct tea ceremony. Experiences include opportunities for public speaking in Japanese which are also assessed as part of the subject.

JAPA310 Advanced Readings in Japanese

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: (JAPA262)
Co-requisites: None
Subject Description: JAPA310 introduces students to contemporary Japanese readings using authentic material to enhance understanding of Japanese society. Students will be required to analyse the content of a range of literature in Japanese. Research projects in English will further expand understanding of contemporary Japan.

JAPA361 Advanced Japanese I

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: (JAPA262)
Co-requisites: None
Subject Description: JAPA361 is an interactive, semi-intensive language subject. The subject builds on what has been achieved in Japanese language learning up to the end of JAPA 262.

JAPA362 Advanced Japanese II

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: (JAPA361)
Co-requisites: None
Subject Description: JAPA362 is an interactive, semi-intensive language subject. The subject builds on what has been achieved in the Japanese language learning up to the end of JAPA 361.

JAPA391 Japanese Study Abroad A

Not on offer in 2008
Credit Points: 8
Pre-requisites: JAPA262 and permission of Japanese Coordinator
Co-requisites: None
Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in an area of Japanese language, literature or civilisation undertaken at a Japanese university. These subjects must be approved by the Coordinator of Japanese BEFORE the student's departure for study abroad.

JAPA392 Japanese Study Abroad B

Not on offer in 2008
Credit Points: 8
Pre-requisites: JAPA262 and permission of Japanese Coordinator
Co-requisites: None
Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in an area of Japanese language, literature or civilisation

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undertaken at a Japanese university. These subjects must be approved by the Coordinator of Japanese BEFORE the student's departure for study abroad.

JAPA393 Japanese Study Abroad C

Not on offer in 2008
Credit Points: 8
Pre-requisites: JAPA262 and permission of Japanese Coordinator
Co-requisites: None
Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in an area of Japanese language, literature or civilisation undertaken at a Japanese university. These subjects must be approved by the Coordinator of Japanese BEFORE the student's departure for study abroad.

JAPA451 Japanese IV Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in Japanese with at least 70% average plus two Distinctions at 300 level subjects in Japanese.
Co-requisites: None
Subject Description: A BA (Hons) in Japanese comprises of coursework (50%) and a supervised thesis (50%) and is designed to prepare students for further research in future employment or study. Honours in Japanese requires the student to: (1) write two to three major essays totalling 11000-12000 words (eg, 3 x 4,000 wds or language equivalent) focusing on designated theoretical issues, current academic debate, or methodological processes; (2) prepare and present a research proposal on a topic in Japanese studies to be approved by the Co-ordinator of Japanese Honours; (3) write a dissertation (of approximately 15000 words) based on the research proposal in (2) above; and (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in Japanese and at least one in English, the mix to be determined by the Japanese Honours Coordinator. The dissertation will be assessed by one internal and one external examiner. For select students who have been given permission to study in a Japanese university during their Honours year the assessment will be modified to suit the programme of study. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in JAPA452.

JAPA452 Japanese IV Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in Japanese with at least 70% average plus two Distinctions at 300 level subjects in Japanese.
Co-requisites: None
Subject Description: A BA (Hons) in Japanese comprises of coursework (50%) and a supervised thesis (50%) and is designed to prepare students for further research in future employment or study. Honours in Japanese requires the student to: (1) write two to three major essays totalling 11000-12000 words (eg, 3 x 4,000 wds or language equivalent) focusing on designated theoretical issues, current academic debate, or methodological processes; (2) prepare and present a research proposal on a topic in Japanese studies to be approved by the Co-ordinator of Japanese Honours; (3) write a dissertation (of approximately 15000 words) based on the research proposal in (2) above; and (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in Japanese and at least one in English, the mix to be determined by the Japanese Honours Coordinator. The dissertation will be assessed by one internal and one external examiner. For select students who have been given permission to study in a Japanese university during their Honours year the assessment will be modified to suit the programme of study. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in JAPA451.

JAPA551 Japanese Studies Abroad

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: A University Bachelor degree in Japanese/Japanese Studies.
Co-requisites: None
Subject Description: This course involves the study for one full academic year at a Japanese University. It is open to all students who have majored in Japanese. Students will be placed into the host university's language and culture programme. In order to pass the subject, a 'pass' must be obtained in all subjects at the host institution and in a final exit test upon return to Wollongong. Students successfully completing this subject will be awarded the Graduate Diploma in Arts (Japanese). Alternatively, select students with the necessary qualifications and who are interested in research in an area of Japanese studies may have the coursework carried out in Japan credited towards an Honours degree in Japanese. NOTE: This subject is intended only for students enrolling on a full-time basis. Part-time students should enrol in JAPA552.

JAPA552 Japanese Studies Abroad (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: A university degree in Japanese/Japanese Studies.
Co-requisites: None
Subject Description: This course involves the study for one full academic year at a Japanese University. It is only open to students who have majored in Japanese. Students will be placed into the host university's language and culture programme. In order to pass the subject, a 'pass' must be obtained in all subjects at the host institution and in a final exit test upon return to Wollongong. Students successfully completing this subject will be awarded the Graduate Diploma in Arts (Japanese). Alternatively, select students with the necessary qualifications and who are interested in research in an area of Japanese studies may have the coursework carried out in Japan credited towards an Honours degree in Japanese. NOTE: This subject is intended only for students enrolling on a part-time basis. Full-time students should enrol in JAPA551.

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LANG305 Literature and Society in Renaissance Europe

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 credit points
Co-requisites: None
Subject Description: The Renaissance constitutes a crucial period in Western civilisation. It saw a re-orientation of the arts and sciences which deeply influenced the course of European, and indeed world history. The subject will begin by examining the works of Dante Alighieri and will proceed to stress the contradictory nature of the Renaissance, concentrating on Italy and France. It will examine the literature (with works by Boccaccio, Petrarch, Machiavelli, Vasari, Rabelais, Montaigne, Ronsard, Du Bellay), art, and learning of the period, while exploring underlying social and political tensions.

LANG371 Advanced Studies in Language/Culture A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 8cp in second semester of 200-level language subjects
Co-requisites: None
Subject Description: This is a reading subject offered under the direct supervision of a member of staff. Topics, as determined by the Convener of Modern Languages in consultation with the Convener of the relevant strand of the Modern Languages Program (English Language Studies, French, Italian, Japanese, Spanish), will be chosen from an area of relevant language or cultural studies. It will provide a program of advanced work complementing the student's prior studies in the language. Enrolment will only be approved following consultation with the Convener of the relevant major.

LANG372 Advanced Studies in Language/Culture B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 8cp in second semester of 200-level language subject
Co-requisites: None
Subject Description: This is a reading subject offered under the direct supervision of a member of staff. Topics, as determined by the Convener of Modern Languages in consultation with the Convener of the relevant strand of the Modern Languages Program (English Language Studies, French, Italian, Japanese, Spanish), will be chosen from an area of relevant language or cultural studies. It will provide a program of advanced work complementing the student's prior studies in the language. Enrolment will only be approved following consultation with the Convener of the relevant major.

LANG373 Advanced Studies in Language/Culture C

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This is a reading course offered under the direct supervision of a member of staff in the student's chosen area of specialisation in the Modern Languages Program. This subject provides an opportunity for upper level students in French, Italian, Japanese or English Language Studies to pursue a program of advanced work in approved areas of linguistic or cultural studies in the relevant language. For details of availability of topics offered, students should consult the Convener of their language strand. Enrolment will only be approved following consultation with the Convener of the relevant major.

LANG431 Combined French and Italian Honours

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: Majors in French and Italian with at least 70% average plus two Distinctions at 300 level subjects.
Co-requisites: None
Subject Description: To be awarded a BA(Hons) in French and Italian students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in French or Italian studies to be approved by the French and Italian Honours Coordinators. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, and methodological processes; (3) deliver an oral presentation on the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in French and at least one in Italian, the mix to be determined by the Honours Coordinators. The oral presentation may be delivered in French, Italian or English. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in LANG432.

LANG432 Combined French and Italian Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Majors in French and Italian with at least 70% average plus two Distinctions at 300 level subjects.
Co-requisites: None
Subject Description: To be awarded a BA(Hons) in French and Italian students must: (1) write a 15000 word dissertation based on the student's own supervised research on a topic in French or Italian studies to be approved by the French and Italian Honours Coordinators. The dissertation will be assessed by one internal and one external examiner; (2) write two to three major essays totalling 11000-12000 words focusing on designated theoretical issues, current academic debate, and methodological processes; (3) deliver an oral presentation on the research proposal; (4) attend and participate in seminars, meetings, workshops and skills development activities as scheduled. At least one of the written assessment items must be in French and at least one in Italian, the mix to be determined by the Honours Coordinators. The oral presentation may be delivered in

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French, Italian or English. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in LANG431.

LING110 Language and Language Learning

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: LING110 has two purposes. Firstly, it is designed to act as an introduction to the theory and nature of language; first language acquisition; second language learning and some of the associated terminology and meta language of these fields. Secondly, it is designed to also provide a more practical support for students by way of introducing them to a range of language learning strategies, getting them to experiment with their learning and helping them to become aware of and better able to monitor their developing proficiency. As part of this process, students will be introduced to the following range of communication competencies: linguistic, discoursal, strategic, socio-linguistic, socio-cultural and social competencies.

LING210 Communicating in a Foreign Language

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: LING 210 is designed for students studying a foreign or second language. It introduces comparative language structures, sociolinguistics, comparative phonetics/phonology and bilingualism as an individual and societal phenomenon, including translation and interpreting. This subject is a second year core subject for majors in English Language and Linguistics, French, Italian, Spanish and Japanese.

MACS200 Media Events and Rituals

Spring Wollongong On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Shoalhaven On Campus
Spring Moss Vale On Campus
Credit Points: 8
Pre-requisites: 36 credit points at 100 level including CCS105 or SSMAC100
Co-requisites: None
Exclusions: CCS 200
Subject Description: This subject is concerned with the saturation of local, national and transnational life by media representations of reality and the implicit claim that that the media have the power and authority to speak 'for us'. The symbolic power the media, particularly television, exerts in ritualizing and framing a shared social world is critically examined in an analysis of theories of ritual and media practices such as awards nights, commemorations, disasters, weddings, funerals, telethons and spectacular media events.

MACS207 Culture: central problems and critical debates

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp at 100 level including CCS 105 OR 36cp at 100 level including SMAC100
Co-requisites: None
Exclusions: Not to count with CCS 107 or CCS 207
Subject Description: This subject builds on basic ideas of Cultural Studies introduced at 100 level and explores various understandings of the concept of culture as developed within the discipline of Cultural Studies. The subject examines a variety of accounts of culture with a view to evaluating their uses and purposes. This will be achieved through an examination of a series of central problems and critical debates that have arisen during the development of cultural studies. Although much of the subject matter is of a theoretical nature, there will be an attempt to illustrate arguments and concepts with more practical and empirical case studies.

MACS217 Film Form and Style

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp of 100 level
Co-requisites: None
Exclusions: CCS 217
Subject Description: This subject introduces students to issues of representation and identity as expressed in the language of film. It investigates how films and audiences construct meaning by focussing on form and style through analytical discussions of shot framing, cinematography, mise-en-scene, editing and promotional discourse. This subject provides a range of examples of film narratives from around the world for analysis. The objective of the subject is to instruct students how to watch films closely and critically. International students will be able to draw upon the reception of films that are popular in their own countries.

MACS219 Cinema in Australia

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp of 100 level
Co-requisites: None
Exclusions: CCS 219
Subject Description: In this subject we will examine cinema in its Australian context primarily by focusing on the social history of cinema-going in Australia, up to the present day. Secondly, as the Australian film and television industries depend for their continued existence on a careful balance between private investment, government funding, and audience enthusiasm, this subject will also consider the history of policy arguments for and against the support of a national cinema in Australia. Students will spend significant time each week in online group discussion.

MACS221 Critical Cultural Practice

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 30cp of 100 level And CCS 105 OR 30cp of 100 level And SMAC100
Co-requisites: None
Exclusions: CCS 221
Subject Description: This subject is an introduction to contemporary cultural practices and representations in the media and other cultural texts. It explores critical issues concerned with theories of representation and the application of these theories in socio-cultural

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contexts - for example, the representations of war and peace, and related themes - in film and other media. The subject examines a variety of cultural and media texts as sites upon which critical skills may be developed in an informed theoretical framework and will explore different cultural perspectives.

MACS300 Investigating Identity

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level including CCS 207 OR 16cp at 200 level including MACS207 OR 16cp at 200 level including CCS 221 OR 16cp at 200 level including MACS221
Co-requisites: None
Exclusions: CCS 300
Subject Description: This subject explores various understandings of the concept of 'a person' as developed within the discipline of cultural studies. The concept of a person is explored through ideas about identity. This theoretical work is enhanced by exploring empirical research methods appropriate to understanding contemporary identities. These will include qualitative methods such as ethnography, discourse analysis and narrative analysis. Students will be given the opportunity to conduct an investigation of their own. Tutorial activity will combine theoretical exploration with the analysis of a series of case studies.

MACS301 Culture and Emotion

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200 level
Co-requisites: None
Exclusions: CCS 301
Subject Description: This subject will explore the cultural dimensions of emotion in everyday life. It will focus on how emotions are experienced, represented and understood in individual and social contexts. Drawing on a variety of cultural and critical understandings, this subject will examine a range of affective emotional states such as (but not limited to) grief, fear, hate, love, and the ideas of hope, belief, trust and faith in the formation of cultural identities. Students will explore these spaces of emotion through different cultural texts and critical sites, and will be encouraged to investigate how emotions are deployed in current social and political debates.

MACS330 The Practices of Everyday Life

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level including CCS 207 OR 16cp at 200 level including MACS207 OR 16cp at 200 level including CCS 221 OR 16cp at 200 level including MACS221
Co-requisites: None
Exclusions: CCS 330
Subject Description: This subject introduces students to a range of theories which enable the critical analysis of the practices of everyday life in the context of popular culture. Students will critically analyse everyday practices in relation to tactical consumption, unauthorised pleasures, oppositional uses and the unintended effects of power. Topics discussed include: kitsch, camp and the culture of trash; commodification and identity; race in popular culture; the codification of suburban and urban spaces; gender performance, sexual identity and the politics of drag.

MACS333 Film Genre: theory and analysis

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level
Co-requisites: None
Exclusions: CCS 333
Subject Description: This subject explores the evolution and significance of key Hollywood film genres including film noir, horror, gothic horror, the road movie and the musical. Genres have been theorised as an implicit conversation between the industry, film-makers and audience who reflect social preoccupations through their shared knowledge and negotiation of genre conventions. Emphasis is therefore placed on examining the social contexts in which genres emerge, the political and cultural meanings they circulate, and the philosophical questions they could be said to raise, in order to listen in on this conversation.

MACS335 Electronic Cultures

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level
Co-requisites: None
Exclusions: CCS 335
Subject Description: This subject covers the texts, practices and impact of electronic culture in cyberspace or elsewhere. Students will consider how concepts of the body, gender, identity and community are formulated in the electronic environment; they will scrutinise notions of authoring and authority, reading and interactivity, and will explore issues of access and equity and policies dealing with regulation, copyright and privacy.

MACS337 Hollywood in Context

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level
Co-requisites: None
Exclusions: CCS 337
Subject Description: What is 'Hollywood' cinema, and where does it come from? To understand the impact which the American studio style of film production had had on global cinema exhibition, distribution and production, we begin by examining the emergence of the Hollywood system and its interaction with American popular and political culture in the twentieth century. We will examine the history of Hollywood's increasing recognition of its foreign markets since the 1920s, and its longer-term development as a global culture industry which is still significantly American in origin. Students will complete an independently designed research project using both textual analysis and historical cultural research.

MACS341 Media and Cultural Studies: Advanced Seminar

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 72cp and an average of 70 or above, plus interview with subject coordinator or program convener.
Co-requisites: None
Exclusions: CCS 341

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Subject Description: In 2008, this subject will be delivered as a seminar in research methodologies and practices in Media and Cultural Studies. This subject is highly recommended for students considering future enrolment in Honours in this area, but is also useful for students interested in professional research careers. As places are limited, students cannot enrol in this subject over the web, but will need to contact the subject coordinator to join the seminar.

MACS343 Directed Study

Not on offer in 2008
Credit Points: 8
Pre-requisites: Distinction average in MACS, 16 cps at 200 level MACS, plus permission of subject co-ordinator.
Co-requisites: None
Subject Description: Directed readong, research and other investigative activities lead to the production of a major essay or report in a field of study selected by the student and approved by the Convenor of Program. Prospective students must have a Distinction average in CCS, unless in exceptional circumstances, and entry depends on the availability of staff.

MACS351 Signs of Communication

Summer 2008/2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level
Co-requisites: None
Exclusions: CCS 351
Subject Description: This subject aims to introduce key concepts and inquiries from contemporary semiotic research, as it relates to the analysis and practice of communication and interaction studies. Students are introduced to a variety of readings, by key authors, as well as foundational concepts, for example in dialogue and verbal conversational cues, proxemic (space), kinesics (gesture), and non verbal language generally. Examples from media as well as real life are included. Students are invited to apply introductory and overview study in an extended case study of conversation and interaction events, based on workplace or social contexts, and using appropriate media as a tool for study.

MACS357 Television Cultures

Spring Wollongong On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Moss Vale On Campus
Spring Shoalhaven On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level
Co-requisites: None
Exclusions: CCS 357
Subject Description: This subject considers major debates and issues involved in television theory and criticism. The subject examines TV as a social and cultural practice, looking at formal and aesthetic features of genres, issues of representation and identity and historical and technological developments within local and global contexts. International students will find that their interactions with TV at home will complement this global context.

MACS407 Special Study

Not on offer in 2008
Credit Points: 8
Pre-requisites: (Major in MACS at credit average - not to include Pass Terminating grades)
Co-requisites: None
Subject Description: This subject is designed to enable students enrolled in Honours in other Programs to take one of the subjects in the Communication and Cultural Studies Honours Program. Enrolment is subject to the approval of the Convenor of Program.

MACS411 Media and Cultural Studies Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in MACS with at least 70% average plus two Distinctions at 300 level subjects in MACS.
Co-requisites: None
Subject Description: The 48 credit points Honours program consists of two 12 credit point coursework subjects scheduled in first semester and in second semester a 24 credit point thesis or project of 15,000 - 20,000 words or equivalent on a topic developed in consultation with the student's supervisor and approved by the School Honours Coordinator and Convener of Program. This subject is intended for students enrolling in Honours only on a full time basis. Part time candidates should enrol in MACS412.

MACS412 Media and Cultural Studies Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in MACS with at least 70% average plus two Distinctions at 300 level subjects in MACS.
Co-requisites: None
Subject Description: The 48 credit point honours program is taken over four consecutive sessions. It is equivalent of two 12 credit point subjects and a 24 credit point thesis or project of 15,000 - 20,000 words on a topic developed in consultation with the Convener of program and School Honours Coordinator. This subject is intended for students enrolling in Honours only on a part time basis. Full time candidates should enrol in MACS411.

MACS421 Joint Honours in MACS and another Discipline

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in MACS with at least 70% average plus two Distinctions at 300 level subjects.
Co-requisites: None
Subject Description: This will consist of a thesis of 15,000-20,000 words and a course of studies approved by the School Honours Coordinator in collaboration with the Convenor of the other academic unit concerned and will normally be composed of elements offered at 400-level by each unit. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in MACS422.

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MACS422 Joint Honours in MACS & another Discipline (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in MACS with at least 70% average plus two Distinctions at 300 level subjects.
Co-requisites: None
Subject Description: This will consist of a thesis of 15,000-20,000 words and a course of studies approved by the School Honours Coordinator in collaboration with the Convenor of the other academic unit concerned and will normally be composed of elements offered at 400-level by each unit. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in MACS421.

MAND151 Chinese (Mandarin) for Beginners 1A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6 hours tutorial/practical per week
Co-requisites: None
Exclusions: LANG196
Subject Description: MAND151 has a dual focus on communicative and structural aspects of the language using a methodology that combines aspects of the communicative and functional/situational approach with grammar instruction. Listening, speaking, reading and writing skills are developed through a combination of the classroom activities and assignments. It is designed to give students grounding in the skills they need to understand and use Mandarin in a range of everyday, non-specialist contexts such as informal social occasions, shopping, dining out and the classroom context. It will also provide an introduction to the character based writing system. Use is made of different media including audiovisual material and computer-aided language teaching. Class time is divided between interactive language work, linguistic reflection and introduction to Chinese culture and society. Oral and written assessment tasks are continuous throughout the session.

MAND152 Chinese (Mandarin) for Beginners 1B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MAND151
Co-requisites: None
Exclusions: LANG197
Subject Description: In this subject the elementary Mandarin language studied in MAND151 is reinforced and extended using a methodology that combines aspects of the communicative and functional/situational approach with grammar instruction. It is designed to give students grounding in the skills they need to understand and use Mandarin in a range of everyday, non-specialist contexts such as sightseeing, seeking directions, evaluating people, places and things etc. The writing system will continue to be introduced and practiced. Use is made of different media including audiovisual material and computer-aided language teaching. Class time is divided between interactive language work, linguistic reflection and further acculturation into Chinese culture and society.

MAND161 Chinese (Mandarin) for Character Background Students (CBS) 1A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: LANG198
Subject Description: MAND161 is an accelerated beginner's subject in Mandarin, designed for students from Japan, Korea, Taiwan, Hong Kong, China etc who are familiar with Chinese character sets, but who do not speak Mandarin. The subject aims to develop students' four basic language skills - listening, speaking, reading and writing, however the subject assumes prior knowledge of Chinese characters. Emphasis will be on the practical use of the language in informal, non-specialist contexts, such as informal social occasions, shopping, dining out and the classroom context.

MAND162 Chinese (Mandarin) for Character Background Students (CBS) 1B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MAND161
Co-requisites: None
Subject Description: In this subject the Mandarin language studied in MAND161 is reinforced and extended using a methodology that combines aspects of the communicative and functional/situational approach with grammar instruction. It is designed to give students grounding in the skills they need to understand and use Mandarin in a range of everyday, non-specialist contexts such as sightseeing, seeking directions, evaluating people, places and things etc. The writing system will continue to be expanded and practiced. Use is made of different media including audiovisual material and computer-aided language teaching. Class time is divided between interactive language work, linguistic reflection and further acculturation into Chinese culture and society.

PHIL106 Media, Ethics and Law

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines a range of ethical issues raised by contemporary media. We will survey media regulation in Australia and consider whether the existing regulatory framework is adequate to protect the public interest with regard to the issues examined. Topics covered include: privacy, defamation and vilification, free speech and censorship, representations of sex and violence, truth, lies and 'spin', war reporting, the role of the media in a democracy, the concentration of media ownership, commercialisation, advertising ethics, body image, the nature of celebrity, spectacle, voyeurism and the trivialisation of popular culture.

PHIL107 Values, Self and Knowledge

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces fundamental philosophical problems in ethical theory, metaphysics and epistemology. In the first 4

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weeks we examine the nature of ethics, focussing on the question of whether there are objective ethical facts, or whether ethical beliefs are inherently subjective or culturally relative. The second part of the subject examines the nature of personal identity. What is the self? Are we one and the same person throughout our lives? The final section looks at theories of knowledge. What is knowledge? Can we ever be certain of our beliefs? Do we need to be?

PHIL151 Practical Reasoning

Spring Wollongong Flexible
Spring Shoalhaven Flexible
Spring Bega Flexible
Spring Batemans Bay Flexible
Spring Moss Vale Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: (PHIL153) or (PHIL253) or (PHIL214)
Subject Description: This subject is an introduction to the informal study of reasoning and argument. We shall look at the standards of argument and patterns of reasoning we employ in everyday situations: reading, studying, discussing, debating, and so on. We shall consider ways in which arguments can be convincing without being valid (and valid without being convincing). We shall look briefly at the way in which language functions and apply what we learn to explain how many of the 'dirty tricks' we encounter in arguments work. We shall also consider some of the methods of reasoning employed in the law and in the natural and social sciences. Topic areas are: Inductive and deductive logic; meaning and definition; informal fallacies; inductive reasoning.

PHIL206 Practical Ethics

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Any 36 credit points
Co-requisites: None
Subject Description: Practical Ethics begins with an introduction to consequentialist and rights-based approaches to applied ethics. This conceptual framework will be used to examine a range of controversial social / political issues, including: genetic preselection and eugenics, human rights and multiculturalism, civil rights and the scope of individual freedom, drugs, war and terrorism, nanotechnology, human enhancement, commodification of human tissues, surrogacy, globalisation, and the ethics of risk.

PHIL209 Logic

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Any 36 credit points
Co-requisites: None
Subject Description: An introduction to the methods and techniques of formal logic and to the central issues in philosophical logic that concern the connections between reasoning in natural languages and reasoning in formal languages. Topics include: proof in propositional and predicate logic, the interpretation of propositional and predicate logic, soundness and completeness of propositional logic, the adequacy of formal logic to model reasoning in natural language.

PHIL210 Contemporary European Philosophy

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36 credit points, including 6 credit points of PHIL
Co-requisites: None
Subject Description: An introduction to some of the main themes and thinkers in contemporary European philosophy, especially those that have had an impact on philosophers outside Europe. We will explore issues such as: language, interpretation and meaning; existence and being; power and knowledge, intersubjectivity and difference; time and death; phenomenology. We will explore these themes through the work of writers such as: Foucault, Irigaray, Deleuze, Kristeva, Derrida, Levinas, Gadamer, Nietzsche, Sartre, Merleau-Ponty, Ricoeur, Lyotard, Heidegger, de Beauvoir and Sartre.

PHIL211 Greek Philosophy

Summer 2008/2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 36 credit points
Co-requisites: None
Subject Description: PHIL211 introduces philosophy through the careful critical reading of the works of some Ancient Greek Philosophers, especially Plato. We begin by introducing the cosmologies of the Pre-Socratics, then analyse Socrates' famous paradoxes and his style of argumentation and then focus for the greater part of the course on one of the great classics of Western literature, Plato's Republic. Students examine and assess Plato's theory of the just state, the just person and justice for women, the nature of knowledge, the aims of education, the best sort of government, the nature of art and thought, and the proper roles of philosophers in society. No prior knowledge of philosophy or ancient history is required.

PHIL232 Political Philosophy

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 36 credit points
Co-requisites: None
Exclusions: (PHIL332) or (PHIL257) or (PHIL357) or (POL214) or (POL314) or (PHIL383)
Subject Description: An introduction to some key concepts and theories in political philosophy through a critical reading of some important historical texts. Throughout the subject we will identify themes in the history of political philosophy which have contemporary significance and will evaluate the arguments put forward by various political philosophers for different understandings of the nature and justification of the state, political authority, citizenship, political rights, civic participation, governance and the normative basis for state authority.

PHIL255 Philosophy of Language

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36 credit points, including 6 credit points of PHIL
Co-requisites: None
Exclusions: PHIL355
Subject Description: This subject provides an introduction to some of the central themes in the

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philosophy of language, in which we explore various historical and contemporary attempts to develop a viable theory of meaning. Questions that will arise include: how is it that some marks and sounds have meaning?, how is it that people can communicate?, how should we deal with phenomena such as metaphor?, what is the relationship between meaning and context?, and are there such things as meanings?

PHIL256 Ethics and the Environment A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: At least 36 credit points
Co-requisites: None
Exclusions: PHIL258
Subject Description: A study of evaluative issues concerning the environment. Provides a grounding in debates about, for example, our obligations to non-human animals; whether wilderness areas have value independently of their value to humans; the problem of overpopulation and the question of our obligations to the 3rd world and to future generations; the value of biodiversity. This subject can also be taken as an 8 credit point subject, PHIL258, which shares lectures and tutorials, but has different assessment, reflecting the extra 2 credit points.

PHIL258 Ethics and the Environment B

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 36 credit points
Co-requisites: None
Exclusions: (PHIL256)
Subject Description: A study of evaluative issues concerning the environment. Provides a grounding in debates about, for example, our obligation to non-human animals; whether wilderness areas have value independently of their value to humans; the problem of overpopulation and the question of our obligation to the 3rd world and to future generations; the value of biodiversity. This subject shares lectures and tutorials with the 6 credit point subject, PHIL256, but has different assessment, reflecting the extra 2 credit points.

PHIL262 Theories of Knowledge and Metaphysics

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 36 credit points, including 6 credit points PHIL
Co-requisites: None
Exclusions: PHIL322
Subject Description: An examination of attempts to answer the central questions in the theory of knowledge and of the metaphysical implications of those attempts. The questions addressed include: What is knowledge?; Is knowledge possible? (the challenge of scepticism); Is knowledge different from information?; Is a normative epistemology possible or desirable?. We will discuss, eg debates over internalism and externalism, realism and anti-realism, descriptive and revisionary metaphysics.

PHIL284 Theoretical Ethics

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 36 credit points, including 6 credit points of PHIL
Co-requisites: None
Exclusions: (PHIL301)
Subject Description: A critical study of fundamental issues in moral philosophy. Among the topics discussed will be a selection of the following: Moral relativism; subjectivist and objectivist theories of morality; facts and values; moral realism; consequentialism; moral motivation; egoism and altruism; morality and rationality.

PHIL286 Philosophy of Social Science

Not on offer in 2008
Credit Points: 8
Pre-requisites: At least 36 credit points
Co-requisites: None
Subject Description: Philosophy of Social Science is a critical survey of contemporary theories about the nature of social science. It examines the naturalistic, interpretive, critical and postmodern schools. This survey is focussed by sceptical concerns regarding the possibility of a social science, and the possibility of determinately interpreting each other. We will adopt as the underlying thematic focus the question of inter-cultural understanding, the significance of cultural relativism, and the possibility of multiculturalism.

PHIL288 Philosophy of Mind

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 36 credit points including 6 credit points of PHIL
Co-requisites: None
Exclusions: PHIL351
Subject Description: Examines contemporary issues in one or more of the following areas: metaphysics of mind (dualism, mind-body identity, functionalism, etc.); theories of intention and agency; explanations of irrationality (such as divided mind accounts of self-deception and weakness of will); theories of emotion (its nature, epistemology and role in moral psychology); self-knowledge and first-person authority.

PHIL305 Special Philosophical Questions

Autumn Wollongong On Campus
Spring Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: Approval of Convenor of Program
Co-requisites: None
Subject Description: A detailed, supervised investigation at an advanced level of an approved philosophical topic, author, period, or school of thought.

PHIL309 Knowledge and Language

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 16 credit points of 200 level PHIL, including PHIL255 or PHIL262 or PHIL322 or PHIL355.
Co-requisites: None
Subject Description: This subject provides the opportunity to engage at an advanced level with central issues and texts in contemporary philosophy of language, the theory of knowledge, and the intersection of those two areas. Regarding the philosophy of language,

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we will take up key themes such as the metaphysics of meaning, theories of interpretation, the analysis of tropes, the role of context in the use of language, holism, and the concept of truth. In the theory of knowledge, we will consider issues such as scepticism, externalism, the relationship between mind and world, the concept of evidence, fallibility, and certainty.

PHIL310 Advanced Applied Ethics

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 credit point of 200 level PHIL subjects including either PHIL206 or PHIL256 or PHIL258 or PHIL284 or PHIL301 or PHIL380
Co-requisites: None
Subject Description: Advanced Applied Ethics involves a critical examination of a range of applied ethics issues. It provides students who have already been introduced to ethical theory or applied ethics with a more sophisticated understanding of current debates about: methodology; critical responses to public policy in areas of social controversy; and the ethical evaluation of emerging technologies such as nanotechnology or genetic engineering. Throughout this subject attention is paid to the interaction of theory and practical application; the influence of theory on practice; and the use of practical issues to test the plausibility of ethical theory.

PHIL313 Advanced Theoretical Ethics

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 credit point of 200 level PHIL subjects including PHIL284
Co-requisites: None
Subject Description: This subject provides an advanced exploration of some key issues in contemporary theoretical ethics and metaethics through close examination of works of major theorists. This subject develops understanding of current debates in ethical theory to an advanced level by close reading of and critical engagement with major works in the area. Examples of works to be studied in this subject could include substantial sections of Thomas Scanlon's What We Owe Each Other, Annette Baier's Moral Prejudices: Essays on Ethics, Simon Blackburn's Ruling Passions, John McDowell's Mind, Value and Reality, or Martha Nussbaum's Upheavals of Thought: the intelligence of emotions.

PHIL314 Advanced Topics in the Philosophy of Mind

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 16 credit points of PHIL at 200 level, including PHIL288 or PHIL351
Co-requisites: None
Subject Description: We will examine, at an advanced level, topics and texts that are of central importance and impact in the contemporary philosophy of mind. We will explore questions such as: how could consciousness have evolved?, can consciousness be studied scientifically?, can consciousness be ignored in an account of mind?, could minds be brought about in machines?, are reasons causes?, what is the status of folk psychology?

PHIL363 Philosophy of Feminism

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16 credit point of 200 level PHIL subjects including either PHIL206 Applied Ethics or PHIL232 Political Philosophy
Co-requisites: None
Exclusions: PHIL260
Subject Description: Philosophy of Feminism examines some key concepts and issues in feminist philosophy, examining the relationships between feminism and philosophy. Explores analytical and ethical issues which arise in feminist philosophy and the ways these issues divide feminists, through exploration of the ways the following topics arise in feminist theories: difference; rationality and reasoning; subjectivity, autonomy and agency; the body; moral reasoning, justice and interdependence; public/private distinctions or civic/domestic divisions; citizenship and access to social goods.

PHIL380 Bioethics

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Any 36 credit points
Co-requisites: None
Exclusions: (PHIL965)
Subject Description: Philosophical examination of a range of important bioethical problems. We will explore such topics as: euthanasia and physician-assisted suicide; reproduction technology (e.g. IVF, cloning); anonymous donor programs; genetic counselling, screening and testing; definitions of life and death, allocation of health resources; organ transplantation; embryo and foetal research; genetic engineering, experimentation involving human subjects; research involving animals; the role of ethics committees; the nature of professional ethics.

PHIL390 Contemporary Political Philosophy

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: At least 16 credit points in PHIL at 200 level OR 8 credit points in PHIL at 200 level plus POL 213
Co-requisites: None
Subject Description: Contemporary political philosophy offers an examination of some key themes in contemporary political philosophy: Citizenship and multiculturalism; Justice, Well-being and Human Rights; Nationalism; Democracy; Representation; Sovereignty and Legitimacy. In particular it draws on works within feminist theory, European social and political philosophy, communitarian approaches, and postcolonial theory in demonstrating challenges to contemporary liberal philosophical approaches to those themes.

PHIL411 Philosophy Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Admission into Honours program; major in philosophy with an average of at least 70% and at least two distinctions in 300-level philosophy subjects.
Co-requisites: None
Subject Description: The Honours program is designed to provide good philosophy students with a strong grounding in philosophy that prepares them for

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post-graduate research. The Honours program consists of 50% thesis (approximately 15,000 words examined by one internal and one external examiner) and 50% coursework comprising 3 components: 1. an honours seminar on a particular issue in contemporary philosophy (the topic will be selected to reflect the research strengths of the program and the current cohort of Honours students); 2. an advanced seminar on philosophical argument and thesis-writing; 3. a directed reading subject on an area related to each student's thesis topic.

PHIL412 Philosophy Honours (PT)

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: Admission into Honours program in both Philosophy and the other discipline; major in philosophy with an average of at least 70% and at least two distinctions in 300-level philosophy subjects, plus entry requirements of second Honours area
Co-requisites: None
Subject Description: The Honours program is designed to provide good philosophy students with a strong grounding in philosophy that prepares them for post-graduate research. The Honours program consists of 50% thesis (approximately 15,000 words examined by one internal and one external examiner) and 50% coursework comprising 3 components: 1. an honours seminar on a particular issue in contemporary philosophy (the topic will be selected to reflect the research strengths of the program and the current cohort of Honours students); 2. an advanced seminar on philosophical argument and thesis-writing; 3. a directed reading subject on an area related to each student's thesis topic.

PHIL421 Combined Philosophy Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Admission into Honours program in both Philosophy and the other discipline; major in philosophy with an average of at least 70% and at least two distinctions in 300-level philosophy subjects, plus entry requirements of second Honours area.
Co-requisites: None
Subject Description: The Combined Honours program is designed to provide good philosophy students with a strong grounding in philosophy and another discipline that prepares them for post-graduate research. The Honours program consists of 50% thesis (approximately 15,000 words examined by one internal and one external examiner) and 50% coursework or equivalents to be negotiated between the two disciplines' Honours Coordinators.

PHIL422 Combined Philosophy Honours (PT)

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: Admission into Honours program in both Philosophy and the other discipline; major in philosophy with an average of at least 70% and at least two distinctions in 300-level philosophy subjects, plus entry requirements of second Honours area
Co-requisites: None
Subject Description: The Combined Honours (part time) program is designed to provide good philosophy students with a strong grounding in philosophy and another discipline that prepares them for post-graduate research. The Honours program consists of 50% thesis (approximately 15,000 words examined by one internal and one external examiner) and 50% coursework or equivalents to be negotiated between the two disciplines' Honours Coordinators.

POL 111 Australian Politics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides a basic introduction to Australian political institutions and processes, political ideas and issues. The ideas and institutions will be explored through the analysis of current issues in the context of recent Australian history and global change. Cooperative class activities will enable to students to consolidate and further develop their learning skills. The subject will be supported by a web site to enable easy access to resources and electronic communication among class members.

POL 121 Politics in a Globalising World

Spring Wollongong On Campus
Spring Shoalhaven On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Moss Vale On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: POL121 explores the sources of power in the modern "globalised" world. We start with politics within society and state before moving on to examine military and economic power in contemporary international politics, including interventions in 'failed' states. Specific issues raised include the power of mass media, nationalism, racism, migration, labour, global development, human rights and the environment. Finally we explore different forms of resistance to current world order: transnational crime, "anti-globalisation" movements and the phenomenon of terrorism. The subject aims to provide a basic understanding of key political, social and economic issues faced by people across the world.

POL 141 Change and Debate in Contemporary Australian Politics

Summer 2008/2009 Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject examines some of the major changes that have occurred in the Australian politics, society, culture and the economy since the election of the Howard government in 1996. This subject will explore these changes through an examination of key debates in Australian public life, and their implications for notions of identity, democracy, citizenship, class and community. Topics covered include the myth of Australia as an egalitarian society, the changing nature of 'left'

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and 'right', globalisation, reconciliation and Aboriginal sovereignty, refugees and immigration policy, the role of unionism in Australian politics, and the 'war on terrorism'.

POL 210 The European Union: Post-war integration, 1945 to the present

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: (36cp including 6cp POL) or (36cp including 6cp AUST) or (36cp including 6cp HIST) or (36cp including FREN 110) or (36cp including ITAL 110)
Co-requisites: None
Exclusions: EURO 220, HIST 210
Subject Description: This subject identifies and examines the political, economic and social processes driving European integration from the end of World War Two to the present. It explores the thinking behind and the development of the European Economic Community (EEC) and its subsequent transformation into the European Union (EU), the influence of the US, the pivotal role of France and Germany in European integration, the relationship between nation states and supranational institutions, and the implications for Europe of the Cold War and collapse of the Soviet bloc.

POL 211 Democracy in Theory and Practice

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp POL or 36cp including 6cp PHIL
Co-requisites: None
Subject Description: The subject analyses and contrasts the development of two western traditions: democracy and republicanism. It examines their origins in Ancient Greece and Rome, the rise of different schools of liberalism, participatory and deliberative democracy, conservatism, pluralism, social democracy and European and Leninist Marxism. Contemporary critiques of Western democratic theory from feminist, neo Marxist, neo liberal, conservative, post modern and technocratic/ industrialist scholars are analysed and their suggested alternatives are examined. The subject examines not only the quality and coherence of the ideas expressed by respective thinkers but their practical implications and feasibility.

POL 213 Key Concepts and Thinkers in Political Theory

Not on offer in 2008
Credit Points: 8
Pre-requisites: (36cp including 6 cp POL) or (36cp including 6 cp PHIL)
Co-requisites: None
Subject Description: This subject examines key theorists and ideologies from the major European and Asiatic traditions of political theory. Students are introduced to the major ideologies by analysing them in their historical context and assessing their contemporary significance for political thought and practice. Ideologies examined include Republicanism, Conservatism, Islamism, Liberalism, Communism, Anarchism, Marxism, Fascism, Socialism, Feminism and Environmentalism. The role of the state and individual in political practice will form a central theme.

POL 216 Politics in the USA

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp POL at 100 level
Co-requisites: None
Subject Description: This subject examines the American political system. It provides an introduction to the institutional context of American politics, focussing upon the structure and function of government, and also deals in depth with major factors and issues which shape politics today. The roles, in theory and practice, of the Constitution, the President, the Congress, the Supreme Court are examined. Political parties, election processes and campaigns are surveyed and analysed. These institutional aspects of American politics raise crucial questions about democracy and power, questions which the subject deals with at length.

POL 222 Australian Public Policy

Autumn Batemans Bay On Campus
Autumn Moss Vale On Campus
Autumn Shoalhaven On Campus
Autumn Bega On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp of POL or AUST101 or ARTS112 or HIST109 or SOC103
Co-requisites: None
Subject Description: Public policy is the way the government touches the everyday lives of citizens. Policy is shaped by political institutions and arrangements, political ideologies, international factors and political activity ranging from grassroots activists to high-powered interest groups. Economic policies ranging from trade to taxation, social policy, questions of citizenship and belonging, gender and the work/family balance and the environment will provide the focus of an exploration of the interactions of the agents and forces at work in policy making in Australia since the mid 1980s. Students will have an opportunity to research a policy area in depth through work on a group project. Groups meetings will be held in class time and a class web site will support out of class communication among students.

POL 224 Politics and the Media

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp POL or 36cp including 6cp CCS
Co-requisites: None
Subject Description: This subject examines the political role and power of the mass media. Particular attention is paid to the manufacture of news, the construction of news frames, the function of agenda-setting, the issue of bias, the use and abuse of media by politicians, the question of ownership and control, the role of advertising. While the major focus is on news reporting and commentary, cultural politics in general (including popular culture) is examined.

POL 225 International Relations: An Introduction

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp POL
Co-requisites: None
Subject Description: Provides an introduction to the

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study of International Relations. The realities, practice and study of international relations change as new challenges to security, state sovereignty and governance arise, and new opportunities for communication, co-operation and exchange. The United Nations' and other international organisations' roles, structures and operations are being tested, sometimes reformed. Concepts and theories used to explain and shape international relations are examined for relevance in a globalising age. Issues addressed include conflict and peace, formal diplomacy and non-state actors, migration, trade, and aid, indebtedness, and other relations between industrialised and developing countries. Feminist, critical and other perspectives are examined for relevant insights.

POL 230 Latin America Conquest and Colonisation

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp including 6cp POL or 36cp including 6cp HIST
Co-requisites: None
Subject Description: This subject provides an overview of the conquest and colonisation of Latin America by the West. We begin with a look at the state of the world in 1400, concentrating on the Iberian peninsula, from which voyages of 'discovery' emerge. We then turn to two of the complex civilisations of the Americas, the Aztecs and the Incas, and examine how they quickly came under the subjugation of the Spanish conquistadors. The subject explores why and how the West established such dominance. We then review the effects of colonisation on the indigenous peoples of the Americas, and on the African populations brought in as slave labour, of the introduction of Christianity, the new modes of economic production and the legacy of the conquest for contemporary Latin American society.

POL 290 Women in Society: Productive and Reproductive Labour

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp
Co-requisites: None
Exclusions: GENE215
Subject Description: The social changes promoted by the Women's Liberation Movement have contributed to new understandings of the position of women in social, political and economic life in Australia over the past 35 years. The subject will focus on topics around the themes of the contemporary women's movement; women and paid work, sexuality, motherhood and issues of inclusion and exclusion. A comparative approach will allow the examination of women's activism in Australia and in selected developing countries. Team work forms the core of student learning in discussion and project groups. Student learning activities are focussed on the development of skills involved in reading and constructing academic arguments and in finding and making sense of information using electronic sources.

POL 301 Politics Internship

Autumn Wollongong Flexible
Spring Wollongong Flexible
Summer 2008/2009 Wollongong Flexible
Credit Points: 16
Pre-requisites: At the discretion of the Convenor of the politics program
Co-requisites: None
Subject Description: This subject will enable students to undertake internships in relevant political institutions both in Australia and overseas. Students undertaking this subject will be attached to a political institution where they will undertake duties as directed by their supervisor in that institution. The subject is worth 16cps because it is the equivalent of two 300 level subjects.

POL 302 Foundations of Australian Political Culture

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200-level POL
Co-requisites: None
Subject Description: This subject deals with the values, beliefs and principles that constitute Australian political culture. It will do so by considering roots of that political culture in the Federation movement of the 1890s and the policies of the early Commonwealth described as the Australian or Deakinite Settlement. It will examine how both Federation and the Australian Settlement moulded Australian politics and political culture during the twentieth century with particular emphasis placed on developments since 1983.

POL 303 Peacekeeping, Sovereignty and Global Order

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200-level POL
Co-requisites: None
Subject Description: The international political system rests on the political unit of the state and the concept of sovereignty. Conflicts between and within states sometimes lead to peacekeeping operations or other interventions by multilateral organizations such as the United Nations, regional organizations or by individual states. This subject examines the universalisation of the nation-state, attempts by states to create order and the affect of peacekeeping-type operations on sovereignty. Topics include collective security, humanitarian intervention, 'regime change', and the security challenges of so-called 'failed states' in the post-Cold War world. Examples are drawn from Asia, Europe, Africa and the Pacific region.

POL 314 Power and the Modern State

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level POL
Co-requisites: None
Subject Description: This subject looks at some of the fundamental ideas about the modern state within the framework of the development of that institution. Students are introduced to fundamental ideas about the modern state through the examination of a number of key texts. These texts are made the basis of tutorial discussion and students deliver papers on these texts. The subject is designed to make students aware critically of the variety of approaches that exist regarding the nature of the modern state. As well this subject will be compulsory for those undertaking honours in Politics.

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POL 315 The Politics of Post Communist Countries

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level POL
Co-requisites: None
Subject Description: This subject examines problems of transition from soviet-style state socialism in the successor states of the former USSR and Eastern Europe. It contrasts the Russian and East European experience with market transition in the Peoples' Republic of China and the reasons differences persist. Issues examined include: new forms of political representation, the transition to a market economy, changing roles for women and men, social welfare provision, economic decline and corruption, reforming the legal system, trade unions and new social movements, and minority nationalities policy. Recent theories of state and civil society will be analysed

POL 317 Politics in the South Pacific

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: South Pacific island countries are generally small, scattered over large ocean areas, comprised of diverse political systems, with different forms of government, and in varying relationships with external powers. Natural resource issues are critical to sustainable development, and sometimes sources of violent internal conflict. Regional co-operation, aid and other relationships with Australia and other industrialized countries are important to development strategies. Comparative / theoretical perspectives inform a focus on governance, continuity / stability / pressures for change, peace, and international relations.

POL 318 The Asian Tigers - Newly Industrialising Countries in Transition

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level POL
Co-requisites: None
Subject Description: In this subject we will examine the role national governments have played in the Asian Development Model (including the governments of South Korea, Taiwan, Hong Kong, Singapore, Malaysia, Indonesia, Thailand and now the People's Republic of China). These governments provided a mixture of development incentives and controls. They spread investment risk between the private and public sectors of their economies and they fostered cooperation between government and private interests; promoted manufacture for export and the transfer and adoption of technology; and placed a premium on economic efficiency as gauged by 'the market'. Until the Asian Financial Crisis of 1997 these were 'pin-up' economies. They offered a development model seen by many as a path leading out of developing nation poverty.

POL 319 Political Economy in the New Millennium

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level POL
Co-requisites: None
Subject Description: The subject covers the development of Political Economic theory from antiquity to the present day. The centrality of political economy to political enquiry is stressed. It discusses major theorists from Plato, Quesnay, Steuart, Locke, Adam Smith, John Stuart Mill, Karl Marx and John Maynard Keynes to contemporary thinkers, debates and issues. It analyses core aspects of their approach to key political questions, such as: the role of the modern state, human nature, social order, civil society, freedom and necessity, production, distribution and justice. It questions the relevance of their thought to contemporary issues in a (post)-modern environment.

POL 323 Nth & Sth:Approaches to Rel Between Adv,Indust & Less Dev Countries

Spring Moss Vale On Campus
Spring Wollongong On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Shoalhaven On Campus
Credit Points: 8
Pre-requisites: 14 cp of POL, with 8 cp of POL at 200 level; or HIST210 with 6 cps of POL; or ARTS112 plus 16 cps at 200 level.
Co-requisites: None
Subject Description: In this subject we will analyse relations between the advanced industrialised countries of the North and the less developed countries of the South. We will debate issues associated with development, including industrialisation, distribution, aid, globalisation, global governance, international markets, the role of multinational companies, labour migration, mobility and remittances, and the current role and responsibilities of nation states. We will also consider the part played by nation states, international capital and the low cost of labour time in the 'Asian Development Miracle'. We will then profile and discuss human rights, democracy, administrative accountability and transparency, environmental sustainability and gender equality.

POL 324 Culture and Politics

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level POL
Co-requisites: None
Subject Description: This subject examines key debates concerning cultural politics in the twentieth century. Particular attention is paid to debates about Marxism and modernism, the political impact of mass culture, feminist cultural politics and the political significance of postmodernism. Key intellectual groupings analysed include the Frankfurt School, the Birmingham Centre for Contemporary Cultural Studies, American and French cultural feminism, the New York intellectuals, political film, the Situationists. .A major focus of the subject is upon the ways in which culture and politics intersect, the cultural forms which are most bound up with the world of politics.

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POL 368 Protest and Power in America : The Sixties

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16cp at 200 level POL or 16cp at 200 level HIST
Co-requisites: None
Subject Description: The 1960s was a pivotal decade in contemporary history and this subject examines the political upheavals, social transformations and cultural rebellions of those years in the USA. Analysis will focus upon the civil rights and black power movements, the new left, the student movement, the anti-war movement, the women's and gay liberation movements and the counter-culture. These movements sponsored significant social changes and raised issues which are still reverberating today.

POL 411 Politics IV (Honours)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in Politics with at least 70% average (including POL314) plus two Distinctions at 300 level subjects in Politics.
Co-requisites: None
Subject Description: A Politics Honours program comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. The two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in Political Studies is an exploration of theoretical literature through reading, discussion and writing. Half of the subject is the development, research and writing of a 15, 000 - 18, 000 word research thesis under the supervision of an academic at the University of Wollongong. Students will begin to work with the supervisor during their first session fo candidature with the goal of producing a thesis proposal by the end of that session.

POL 412 Politics IV (Honours) (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in Politics with at least 70% average (including POL314) plus two Distinctions at 300 level subjects in Politics.
Co-requisites: None
Subject Description: A Politics Honours program comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. The two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness develops the high level research, analytic and writing skills needed to successfully complete a thesis for all honours students in the School. Seminar in Political Studies is an exploration of theoretical literature through reading, discussion and writing. Half of the subject is the development, research and writing of a 15, 000 - 18, 000 word research thesis under the supervision of an academic at the University of Wollongong. Students will begin to work with the supervisor during their first session fo candidature with the goal of producing a thesis proposal by the end of that session.

POL 431 Joint Honours in Politics and Another Discipline

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in Politics with at least 70% average (including POL 314) plus two Distinctions at 300 level subjects in Politics and meet the Honours entrance requirements for the other discipline.
Co-requisites: None
Subject Description: An interdisciplinary honours program incorporating Politics comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. At least two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness or similar in another discipline develops the high level research, analytic and writing skills need to successfully complete a thesis for all honours students in the school. Seminar in Political Studies is an exploration of theoretical literature through reading, discussion and writing. Other disciplines offer similar theoretical seminars. Half of the subject is the development, research and writing of a 15, 000 - 18, 000 word research thesis under the supervision of an academic from each discipline at the University of Wollongong. Students will begin to work with supervisors during their first session of candidature with the goal of producing a thesis proposal by the end of that session. NOTE - Students must meet with School Honours Coordinators to determine the precise construction of the coursework component well before the beginning of the session in which they intend to begin study.

POL 432 Joint Honours in Politics and Another Discipline (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in Politics with at least 70% average (including POL314) plus two Distinctions at 300 level subjects in Politics and meet the Honours entrance requirements for the other discipline
Co-requisites: None
Subject Description: An interdisciplinary honours program incorporating Politics comprised of coursework and a supervised thesis has been designed to prepare students for further research in future employment or future study. At least two seminars offer advanced research and skill development in the types of analysis and writing that are characteristic of humanities and social sciences. Research Readiness or similar in another discipline develops the high level research, analytic and writing skills need to successfully complete a thesis for all honours students in the school. Seminar in Political Studies is an exploration of theoretical literature through reading, discussion and writing. Other disciplines offer similar theoretical seminars. Half of the subject is the development, research and writing of a 15, 000 - 18,

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000 word research thesis under the supervision of an academic from each discipline at the University of Wollongong. Students will begin to work with supervisors during their first year of candidature with the goal of producing a thesis proposal by the end of that year. NOTE - Students must meet with School Honours Coordinators to determine the precise construction of the coursework component well before the beginning of the session in which they intend to begin study.

SMAC100 Thinking About Societies, Technologies and Cultures

Autumn Wollongong On Campus
Autumn Shoalhaven On Campus
Autumn Batemans Bay On Campus
Autumn Moss Vale On Campus
Autumn Bega On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the ways in which social and cultural meanings are generated in everyday life, including in our experiences with technology. In addition, we will explore the opportunities for social change that can arise from critical reflection on these issues. Students will choose an object or technology to explore throughout the semester, culminating in their final essay on the topic. The subject therefore provides a strong foundation to commencing students in library research skills, skills in critical reading and analysis, academic writing, and referencing. Additionally, it is a good introduction to the programs in the School.

SMAC201 Popular Culture in Japan

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36 credit points
Co-requisites: None
Subject Description: Popular Culture in Japan offers a survey of important trends in Japanese popular culture in the postwar period, focusing in particular upon the Japanese media industries and their most successful exports: J-Pop, manga and animation. The subject explores different ways of reading popular culture in order to understand how culture shapes individual and group identities and to analyse how Western perceptions of Japan are influenced both by world events and by the circulation of (sometimes self-) orientalising representations and narratives. The reception of Japanese cultural products in Australia will be considered and there will also be opportunity for overseas students to reflect on the influence of Japanese popular culture in their region.

SOC 103 Aspects of Australian Society

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: What is society? How is it structured? How does it make the individual possible and limit the possibilities of the individual? How can we know about society? The discipline of sociology addresses these questions through the application of social theory and sociological research methods. By focusing on specific aspects of Australian society, including, social movements, punishment, social control, gender and economic inequality, students are able to develop their sociological imagination. The sociological imagination, informed by theory and methods, provides the opportunity for understanding how one's apparent individuality is positioned or constructed through the processes of society. Sociology not only studies society as a way of interpreting the social, it also attempts to shape social processes through public policy.

SOC 104 Communication, Media and Society

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: (CCS109)
Subject Description: Communication binds societies together, and the forms it takes range from the personal to the globe-spanning web of electronic communication. This subject examines the spectrum of communication from a sociological perspective, focusing not simply on the 'vehicle' of transmission but rather on what is being transmitted and its impact on society. The focus is on the media as a vehicle for cultural communication, fragmentation and change, introduces theoretical methodological issues, and its impact is evaluated in the areas of: tourism, religion, visuality and the television culture, and crime.

SOC 203 Explaining Society

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Subject Description: This subject demonstrates the importance of theoretical thinking. Its themes are morality and social justice in a variety of social theories in classical sociology and cognate areas that have 'changed the world'.

SOC 205 Sociology of the Family

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Subject Description: The family occupies a contradictory place in contemporary social thought, on one hand seen as natural part of social life and on the other in crisis. This subject explores the diverse sociological approaches to the family through a comparative analysis of family life in Australia and selected examples from the Asia-Pacific region. It places these theoretical perspectives in the context of the changes in family form and the life cycle from early modern times to the present.

SOC 206 Youth and Popular Culture

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Exclusions: SOC204
Subject Description: This subject reviews sociological conceptions of culture, explores the creation of sub-cultures, and identifies major forms, and theories, of contemporary popular culture. It will evaluate the position of young people in Australian society, and

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analyse the development of youth policy in terms of how society constructs youth as a social problem and how the state politically regulates young people's lives. Finally it will also consider youth as social agents (e.g. as consumers and citizens) and consider the many ways youth construct and use a variety of popular cultural forms (e.g. fashion, music, dance).

SOC 222 Crime, Criminality and Criminalisation

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Subject Description: The course is a critical and contextual look at aspects of the criminal justice system in, primarily, New South Wales. Areas covered include: policing, the court system, the representation of crime, public space, juveniles and justice, the criminalisation of social disadvantage and white-collar crime. These areas are addressed through an interdisciplinary framework that draws on ideas from sociology, criminology, social theory and cultural studies. Students are encouraged to consider how we are constituted in relation to the criminal justice system; rather than looking at the system from an imagined position outside its intricate and complex practices, institutions and representations.

SOC 224 Violence, Fear and Civilisation: the Evolution of States

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Subject Description: This is a comparative-historical overview of what happens to fear and violence in human life with increasing social-structural complexity and state development. With the growth and differentiation of populations, changing patterns in the use and threat of force have been noted and correlated with other aspects of customary personal life and behaviour, knowledge and social institutions. Such concepts as civilizing and decivilizing processes seek to characterize these variations. How are we the same as and different from other peoples, or our own ancestors, when it comes to the disciplining of our nastier urges? Implications for current policy debates will be considered. Topics for papers or discussion might include: origin of the state, sources of civil conflict, welfare and warfare states, as well as medieval manners, Dahomean warrior women, the Knights Templar, and whether we will ever know what the Yanomam are really like.

SOC 230 Body & Society

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cps at 100 level
Co-requisites: None
Subject Description: This subject takes as its starting point the contingency and instability of the body in modern society and the way in which it is regarded as an ongoing project to be shaped, developed and made over in accordance with a range of discourses (fitness, health, performance, workplace safety). The subject asks why sociologists have become interested in embodiment, why we need a sociology of the body, how forms of embodiment have been transformed with the rise of modernity and the extent to which 'body modification' is an increasingly important aspect of self-identity. It will explore the relationship between race, sex, gender, and the body; the interface between the body, social structure and social interaction (in the media, workplace, on the sports field, in the gym); and the significance of a variety of body modification practices (including dieting, exercise, cosmetic and transgender surgery). There will be opportunity for overseas students to consider social constructions of the body in their own region.

SOC 231 Social Analysis

Spring Moss Vale Flexible
Spring Wollongong On Campus
Spring Shoalhaven Flexible
Spring Bega Flexible
Spring Batemans Bay Flexible
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Exclusions: Not to count with SOC296
Subject Description: This subject introduces students to key methods in social research: literature-based research, content analysis of documents, secondary analysis of statistics, and observation. Students will learn the value of using multiple research methods to explore and explain social relations. This is a skills based subject which includes undertaking library research, constructing and reading tables, manipulating a computer database, and writing a research report. The students will study aspects of the University of Wollongong.

SOC 242 Contemporary Issues in Society

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Subject Description: The origins, development and social and cultural implications of Globalisation are the central focus of this course. During the session, the history and beliefs (ideologies), behind the globalising process, and the arguments over whether its effects are positive or negative, will be contextualised by focusing on the web of issues central to the process. Specifically: the Post Cold War world, population, Third World societies, transnational corporations, pollution, and global electronic communications. Beyond the human elements, is the impact of Globalisation on the planet itself. There is general agreement amongst the scientific community global warming is a reality and furthermore, it is human activity, which is responsible. The environment is a strong theme within this course and in addition to pollution; it will also address the Greenhouse Effect, the destruction of habitats and species, and the environmental movement.

SOC 243 Contesting Asia: Culture, Diversity, Difference

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Exclusions: Not to count with HIST287
Subject Description: This subject will examine the intersection of culture, economy and religion in Asia. It will analyse the significance of comparative approaches in sociology and anthropology in the age

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of globalisation. Drawing upon contrasting examples from contemporary Asian societies, particularly South Asia this subject will investigate some of the taken for granted assumptions about the process of social change. It will consider the notion of difference to explore the ways in which diverse groups within the region assert their cultural identities, resist marginalisation and critique forms of inequality. We will also pay attention to how Asian cultures have been represented in Western texts.

SOC 244 Punishment: Purpose, Practice, Policy

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Subject Description: Why do we punish those who break the law; what benefit is gained, and for whom, from imprisonment and other forms of criminal justice sanctions? Are jails for retribution, rehabilitation, deterrence, revenge, a symbol of control or order, a way to make us feel superior? Once some the reasons or justifications for punishment are addressed we look at some of the multiple ways to punish offenders and some policy options that can, or cannot make a difference. The course is an investigation into the more general issue of what we as a society get out of punishment and what it costs each of us, ie the differential impact of punishment on various sections of society.

SOC 272 Sociology of Work

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36 credit points at 100 level
Co-requisites: None
Subject Description: This subject introduces students to core ideas in the sociology of work. It draws on comparative, historical, and theoretical perspectives in order to analyse and assess recent shifts in the nature of work and employment. Topics covered will include: Fordism and post-Fordism; forms of work organization, precarious employment, contracting and outsourcing; the nature and role of labour movements; collective representation and employment regulation; the calculation of unemployment and retirement; household labour and women's employment. Areas of focus include 19th century UK, and recent developments in Europe, Australia and Asia-Pacific.

SOC 302 Contemporary Social and Political Thought

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200-level
Co-requisites: None
Subject Description: This subject provides an overview of twentieth century developments in social and political theory by introducing and developing the following significant fields of inquiry: the theory of hegemony; the crisis in classical Marxism; deconstruction; psychoanalysis and discourse theory, which in turn, leads into postmarxist social and political theory and exploration of its central idea that 'society is impossible'. A key focus throughout this course will be on the issues of antagonism and equivalence expressed in new social movements such as, feminism, anti-globalisation, environmentalism and religious fundamentalisms.

SOC 305 Race and Ethnic Studies

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200 level
Co-requisites: None
Subject Description: This subject introduces students to theories of race, racism, ethnicity and migration. These will be linked to other dimensions of social structure and action, in particular class and gender relations. Global political economy, international migration and the process of ethnic group formation will be examined as the basis for many current situations of ethnic diversity. For Australia, we will look at the situation of indigenous people and of immigrants, and examine the role of cultural diversity in the development of social relations and national identity. We will also examine such issues at the international level. Examples will be drawn both from Australia and other countries. The subject includes consideration of the subjective and structural dimensions of racial oppression, ethnic mobilisation and liberation movements, as well as an analysis of the theoretical and substantive relationships between culture, identity and resistance.

SOC 308 Social Policy and the Neoliberal State

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200-level
Co-requisites: None
Subject Description: This subject provides an overview of developments in social policy as it operates in and through the State (or federal government) in Australia by introducing and developing the following significant fields of inquiry: social policy, welfare and neoliberalism, social policy in Australian history, which in turn, leads into examination of specific fields of social policy such as, income security, employment, health, education, families, youth and law. A key focus throughout this course will be on the developing neoliberal environment and understanding the impacts of this on key areas of the 'welfare state' and further, how social policy is put into operation in this context.

SOC 309 Social Movement and Community Activism

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level
Co-requisites: None
Subject Description: Are social movements dead? Alternatively, have they simply re-invented themselves? The subject will examine how young people accomplish and resist social change in our society. A social movement is researched to find out about young peoples' attitudes to movements for social change.

SOC 310 The Third Sector

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16 cp at 200-level
Co-requisites: None

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Subject Description: This subject provides an overview of the third sector by introducing and developing the following significant fields of inquiry: civil society and its relation to political society and family, the importance of community and non-profit organisations and their relation to both the State (first sector) and for-profit business (second sector); the emergence and importance of social capital in contemporary Australian life. A key objective will emphasise social capital theory and its influence on politics and social life in contemporary Australia. Issues such as, the riots in Macquarie fields and Cronulla, the family's impact on social engagement, and the increasing welfare burden being placed on non-profit service organisations will be investigated.

SOC 318 Modernity, Development & Social Change

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16 cp at 200 level
Co-requisites: None
Subject Description: This subject will examine the development experience of people in the new global order. It will introduce students to the debates on modernity and development that emerged following the break up of European colonial empires. It will examine the ensuing interaction between rich and poor nations, and theoretical explanations for the emergence of international disparities of wealth. In particular it will focus on the Asia-Pacific region and explore the power laden international context in which development discourses are produced. A number of case studies will be utilised to explore local understanding of what constitutes development.

SOC 325 Social Research Methods in Policy and Evaluation

Autumn	Wollongong	Flexible
Autumn	Shoalhaven	Flexible
Autumn	Moss Vale	Flexible
Autumn	Bega	Flexible
Autumn	Batemans Bay	Flexible

Credit Points: 8
Pre-requisites: 16 cp at 200 level
Co-requisites: None
Subject Description: Using the methods of the social sciences to evaluate the effectiveness of public policies, however formally or informally, is an enduring feature of modern governance. Seeking a balance between technical knowledge and critical awareness, this subject begins with a brief historical view of social research in state development. It then examines evaluation techniques, including experimental, quasi-experimental and other designs, before proceeding to a series of policy examples. These may include: types of schooling and their consequences, effectiveness of alternative healthcare, options for unemployment relief, various (ab)uses of opinion polls, or other topics according to student interest.

SOC 326 Globalizing Asia

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200 level
Co-requisites: None
Exclusions: ASIA300
Subject Description: This subject explores social and cultural change in Asia in the context of globalization. The subject discusses theories of social and cultural change, and draws on a range of case studies to illuminate current social and cultural trends and changes in Asia. It considers the historical legacies of colonialism and post-WW2 development, and the ways in which historical and contemporary global forces shape Asian societies. Among the topics to be covered include: social movements; sex and gender; artisan labour; transnational and migrant identities; mediated identities; urbanzation and the new economy; poverty, slums and inequality. Countries explored include: Taiwan, India, Japan, Indonesia, Singapore and Bangladesh, as well as comparative, pan-Asian examples.

SOC 330 Gender and Society

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 credit points at 200 level
Co-requisites: None
Subject Description: Questions such as, how do masculinities and femininities develop, are gender identities unstable, how can we understand patterns of gender relations in a globalising society, and is social justice in gender possible, sit at the center of current debates about gender and society. This subject offers an exploration into the theoretical and practical aspects of gender and its operation in society. It begins by presenting key explanatory approaches to gender, which include: psychoanalytic, functionalist, Marxist and poststructuralist/queer theories. Using this theoretical knowledge, patterns of gender practice within and across institutions such as, the family, media, law, sport, the State and education will be investigated. The aim will be to challenge traditional knowledge about masculinity and femininity, and gender relations and practice so as to uncover possibilities for a new social justice in gender.

SOC 334 Bread & Circuses

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200 level
Co-requisites: None
Subject Description: Examines the role of spectacle and violence in the media by focusing on war, sport and horror. Major themes examined include the Roman use of the Games and the chariot races (bread and circuses) and draws parallels with contemporary society, war as spectacle and the role of the military in society, sport as a substitute for political debate, the commercial aspect, sport as a genetic response, 'war minus the shooting', horror as an affirmation of social values especially Christian ones, the nature of the genera itself, why do you we like to be scared.

SOC 341 Special Topics in Sociology

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200-level
Co-requisites: None
Subject Description: Topics for this subject may be chosen from any area of Sociology which the Convenor of Program considers to be of suitable substance and level to be offered as a SOC300 subject. This will be a reading course offered under the direct supervision of

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a member of staff. For details of availability of topics offered, students should consult the Convenor of Program. This subject is available only in special circumstances.

SOC 343 Living with Animals

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200-level
Co-requisites: None
Subject Description: How do humans live with animals and animals with humans? Why do some humans save the whale, while others eat them? Why are pigs intensively farmed but cats and dogs sleep on/in human beds or are, at least, part of the family? Should animals have rights, be legally regarded as property or be seen as sentient beings with significant similarities to humans? Are zoos prisons and therefore unethical? These questions revolve around the cultural, legal and social mediations between animals and humans. The subject includes an exercise that invites students to undertake an autoethnography on their experiences of living with animals and provides an opportunity to address how we can change the ways in which we live with animals (via laws and social policy).

SOC 349 Governing Society, the Self and the Social

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200-level
Co-requisites: None
Subject Description: How are your everyday practices governed or is being governed only for those who need it, those who transgress like deviants, the mentally ill, criminals, youth 'gangs', dole 'bludgers', welfare 'cheats', etc? Do we only experience government through institutions and their processes, for example, medicine, law and social security? The theory of governance or governmentality (how the social is governed) practices of self (how we govern our self) and neo-liberalism (the politics through which society is governed) will be used to address these questions. The theories will be linked to a number of current issues, for example, self-esteem, crime prevention, pumping iron at the gym and unemployment.

SOC 411 Sociology IV Honours

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology.
Co-requisites: None
Subject Description: To be awarded a BA(Hons) in Sociology students must successfully complete two weekly seminars and must also undertake a supervised research project to be presented in a thesis of 15,000-20,000 words. NOTE: SOC411 is for students enrolling in Honours on a full-time basis. Part-time students should enrol in SOC412. Details of the two seminars are Advanced Research Methods in Sociology. In this seminar students will develop thier honours thesis topic and consider the appropriate theories and methods, ethics of research, using data, locating the relevant literature and developing and sustaining arguments. Students will also develop an Honours thesis research proposal and research timeline. Sociology Honours Social Theory Seminar: Supervised by sociology staff, students undertake an in-depth study of a particular theory or topic. Assessment is by written assignments totalling 6,000 words. The completed work can only indirectly relate to the Honours thesis.

SOC 412 Sociology IV Honours (PT)

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology.
Co-requisites: None
Subject Description: To be awarded a BA(Hons) in Sociology students must successfully complete two weekly seminars and must also undertake a supervised research project to be presented in a thesis of 15,000-20,000 words. NOTE: SOC412 is for students enrolling in Honours on a part-time basis. Full-time students should enrol in SOC411. Details of the two seminars are Advanced Research Methods in Sociology. In this seminar students will develop thier honours thesis topic and consider the appropriate theories and methods, ethics of research, using data, locating the relevant literature and developing and sustaining arguments. Students will also develop an Honours thesis research proposal and research timeline. Sociology Honours Social Theory Seminar: Supervised by sociology staff, students undertake an in-depth study of a particular theory or topic. Assessment is by written assignments totalling 6,000 words. The completed work can only indirectly relate to the Honours thesis.

SOC 421 Joint Honours in Sociology and Another Discipline

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology.
Co-requisites: None
Subject Description: The combined Honours course will consist of a program of study approved by the Convener of Sociology program and the School Honours Coordinator in collaboration with the other Program concerned. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in SOC 422

SOC 422 Joint Honours in Sociology and Another Discipline (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology.
Co-requisites: None
Subject Description: The combined Honours course will consist of a program of study approved by the Sociology program convener and the School Honours Coordinator in collaboration with the other Program concerned. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in SOC 421.

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SOC 461 Joint Honours in Psychology and Sociology

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300r level subjects.
Co-requisites: None
Subject Description: A suitable program of study will be determined after consultation and approval by the relevant Honours coordinators. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in SOC 462.

SOC 462 Joint Honours in Psychology and Sociology (PT)

Spring Sydney On Campus
Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in Sociology with at least 70% average plus two Distinctions at 300 level subjects in Sociology.
Co-requisites: None
Subject Description: A suitable program of study will be determined after consultation and approval by the relevant Honours coordinators. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in SOC 461.

SPAN110 The Hispanic World

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EURO110
Subject Description: This subject will introduce students to specific geographical, historical, cultural forces and social frameworks that contributed to shape modern Spain and Latin America and their people. It seeks to provide essential information that forms a very basic part of every Spanish-speaker's consciousness by focusing on some of the elements of Hispanic culture that every Spanish-speaking person possesses after finishing the minimum required education. The rationale behind such a subject is that such knowledge is assumed by every writer, journalist, and filmmaker, and students need to know that context in order to understand the various works they are studying in the Program.

SPAN151 Spanish for Beginners 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This multi-media subject for beginners or near beginners in Spanish presupposes no prior study of the language. This subject emphasises oral communication (listening and speaking) and the development of competence in reading and writing through a functional-notional approach. There is a major emphasis on the communicative functions and structural aspects of the language and the development of those skills necessary to achieve a basic understanding of the Spanish language.

SPAN152 Spanish for Beginners 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SPAN151
Co-requisites: None
Subject Description: The programme begun in SPAN 151 is sustained and developed, advancing students' proficiency in listening, speaking, reading and writing, and emphasising both communicative and structural aspects of the language.

SPAN251 Spanish Intermediate 1

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: SPAN152 or equivalent.
(Students who have not completed SPAN152 but have completed an equivalent subject need the approval of the subject co-ordinator to enrol)
Co-requisites: None
Exclusions: SPAN205
Subject Description: This subject further develops all the communicative skills in Spanish through the introduction of more complex language structures and active vocabulary development for use in oral communication, reading comprehension, stylistic analysis and written communication and composition.

SPAN252 Spanish Intermediate 2

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: SPAN251 or equivalent.
(Students who have not completed SPAN251 but have completed an equivalent subject need the approval of the subject co-ordinator to enrol)
Co-requisites: None
Exclusions: SPAN206
Subject Description: The programme for SPAN 251 is continued and expanded.

SPAN351 Advanced Spanish I

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: SPAN252
Co-requisites: None
Subject Description: This subject has analytical and functional components. It aims to further develop students' language proficiency in Spanish and extend students' knowledge of contemporary Hispanic literature, culture and society. A study is made of a wide range of styles and registers of written Spanish, including literary, commercial and popular texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and contemporary cultural phenomena, detailed textual analysis, advanced grammar, translation skills, and reflection on form and register.

SPAN352 Advanced Spanish II

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: SPAN351
Co-requisites: None
Subject Description: This subject has analytical and functional components. It aims to develop students' language proficiency and extend students' knowledge of contemporary Hispanic literature, culture and society. A study is made of a wide range of styles and registers

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of written Spanish, including literary, commercial and popular texts. Particular emphasis is placed on the development of spoken and written expression, awareness of current affairs and contemporary cultural phenomena, detailed textual analysis, advanced grammar, translation skills, and reflection on form and register.

SPAN391 Spanish Study Abroad A

Not on offer in 2008
Credit Points: 8
Pre-requisites: SPAN252 and permission of Spanish Coordinator
Co-requisites: None
Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in areas of Spanish language or linguistics, or Hispanic literature or civilisation undertaken at a Spanish or Latin American university. These subjects must be approved by the Convener of Spanish BEFORE the student's departure for study abroad.

SPAN392 Spanish Study Abroad B

Not on offer in 2008
Credit Points: 8
Pre-requisites: SPAN252 and permission of Spanish Coordinator
Co-requisites: None
Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in areas of Spanish language or linguistics, or Hispanic literature or civilisation undertaken at a Spanish or Latin American university. These subjects must be approved by the Convener of Spanish BEFORE the student's departure for study abroad.

SPAN393 Spanish Study Abroad C

Not on offer in 2008
Credit Points: 8
Pre-requisites: SPAN252 and permission of Spanish Coordinator
Co-requisites: None
Subject Description: This subject will be taken under the supervision of a member of staff and will provide specified credit for subjects in areas of Spanish language or linguistics, or Hispanic literature or civilisation undertaken at a Spanish or Latin American university. These subjects must be approved by the Convener of Spanish BEFORE the student's departure for study abroad.

STS 100 Social Aspects of Science and Technology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: (STS 103) OR (STS 190) OR (STS 200) OR (STS 203) OR (STS 290)
Subject Description: This subject introduces different ways of analysing the social and historical dimensions of science, medicine and technology - their origins, dynamics, impacts and management. After breaking down some common myths about science and technology and their relation to society, it shows how we can conceptualise and investigate in a more fruitful way the formation of scientific knowledge, the development of technological artefacts and systems, and debates and policies concerning scientific and technological issues.

STS 112 Revolutions in science: history, philosophy and politics of science

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: (STS 117) OR (STS 192) OR (STS 212) OR (STS 217) OR (STS 292) OR (HIST250)
Subject Description: This subject introduces fundamental issues and techniques in the history and philosophy of science. It examines revolutions in science such as the Scientific Revolution (the origins of modern European science). The social, religious, political and economic factors shaping the emergence and content of new science are analysed. Emphasis is placed on critical historical thinking and use of tools from the sociology of scientific knowledge.

STS 116 Environment in Crisis: Technology and Society

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: (STS 216) OR (STS 218)
Subject Description: This subject deals with the technological and social causes of environmental problems and the obstacles in the way of solutions being found to these problems. A range of case studies is used to illustrate the role of human activities in the environmental crisis and its solution. A focus on particular industries is complemented by an examination of the parts played by the media, governments, scientists, corporations and the community.

STS 120 Technology in Society: East and West

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: (STS 220) OR (STS 221)
Subject Description: The role of technology in the functioning of the modern industrial nation has become the focus of international attention. The Asia-Pacific region has expanded in influence, transnational corporations have proliferated and the older industrial nations are attempting to adjust. Why have these changes taken place and what do they mean? This subject investigates the social, economic, and political context of technological change.

STS 128 Computers in Society

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: STS 228
Subject Description: Computers in Society is about the social aspects of computers and, more generally, information technologies. It is about understanding the impacts, both good and bad, of computers on society. It

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is about the choices that people can make concerning computers, and about who has the most power to make such choices. It is about various aspects of society – corporations, governments, families, etc. – and how they have shaped and been shaped by computers.

STS 215 Globalisation: technology, culture and media

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Any 36 credit points
Co-requisites: None
Exclusions: STS 315
Subject Description: The view that scientific, technological and economic development automatically leads to progress is very common. It underlies the thrust for spreading western technological and economic systems throughout the world. The historical development of this view is critically examined and the role that the media has played in its propagation discussed.

STS 218 Environment in Crisis: Technology and Society

Spring Moss Vale Flexible
Spring Shoalhaven Flexible
Spring Bega Flexible
Spring Batemans Bay Flexible
Credit Points: 8
Pre-requisites: Any 36cp
Co-requisites: None
Exclusions: (STS 116) OR (STS 216)
Subject Description: This subject deals with the technological and social causes of environmental problems and the obstacles in the way of solutions being found to these problems. A range of case studies is used to illustrate the role of human activities in the environmental crisis and its solution. A focus on particular industries is complemented by an examination of the parts played by the media, governments, scientists, corporations and the community.

STS 223 The Politics of Medicine and Health

Not on offer in 2008
Credit Points: 8
Pre-requisites: Any 36cp
Co-requisites: None
Exclusions: (STS323) OR (STS936)
Subject Description: This subject explores the social, economic and political dimensions of medicine and health care: the forces shaping them, their implications and their limitations. Themes and topics may include: the shaping of medical knowledge and discourses, and concepts of health and sickness; institutions and markets; evaluation of new remedies; technological innovation; health and medical policies; the politics of cancer; health in the workplace; ethical dilemmas; critiques of conventional medicine and health care; alternative health practices.

STS 238 Changing Images of Nature and the Environment

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Any 36 credit points
Co-requisites: None
Exclusions: STS338
Subject Description: This subject employs historical methods to survey struggles to construct and impose images of nature. Topics include: 17th century debates over mechanism and human domination of nature; the Enlightenment and the Romantic backlash; the rise of new disciplines of geology and biology; the Darwinian synthesis; and the social construction of 'wilderness'. Attention is paid to developing students' ability to analyse contemporary environmental debates in contextual and historical terms.

STS 250 From Molecular Genetics to Biotechnology

Not on offer in 2008
Credit Points: 8
Pre-requisites: 36cp including 6cp STS or 6cp BIOL
Co-requisites: None
Exclusions: STS350
Subject Description: This subject examines the development, impact and social context of molecular biology and genetic engineering. Topics may include: the development of a model for DNA; the development of recombinant DNA techniques; Asilomar and safety; corporate influence on molecular biology; ethical and political issues in genetic screening and genetic engineering; regulation of biotechnology and social control of research priorities; legal and moral issues in the patenting of life forms; the human genome project; the release of recombinant organisms; and biotechnology industry in Australia.

STS 251 From Molecular Genetics to Biotechnology

Not on offer in 2008
Credit Points: 6
Pre-requisites: 36 credit points, including an STS subject or BIOL103 or other relevant subject as determined by Program Convenor
Co-requisites: None
Exclusions: STS250
Subject Description: This subject examines the development, impact and social context of molecular biology and genetic engineering. Topics may include: the development of a model for DNA; the development of recombinant DNA techniques; Asilomar and safety; corporate influence on molecular biology; ethical and political issues in genetic screening and genetic engineering; regulation of biotechnology and social control of research priorities; legal and moral issues in the patenting of life forms; the human genome project; the release of recombinant organisms; and biotechnology industry in Australia.

STS 278 Scientific and Technological Controversy

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Any 36 credit points
Co-requisites: None
Exclusions: STS329
Subject Description: Recent studies of scientific and technological controversies have shown that scientific facts and technological systems cannot be dissociated from the social and political interests which they embody. According to this approach, controversies

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must be treated as inherently social and political processes where there are no impartial experts. This subject will consider the process by which scientific and technological controversies arise, are prosecuted and resolved, making extensive use of case studies.

STS 288 Science and the Media

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Any 36 credit points
Co-requisites: None
Exclusions: STS388
Subject Description: Science increasingly frames social debates, and is itself socially directed. The media play a central role in both processes, a role often subject to criticism, especially from scientists. This subject examines the complex social dimensions of the relation between science, media and the 'public'. Topics may include: scientific knowledge in political debates; public understanding of science; media portrayals of science and scientists; science journalism; science as 'public knowledge'; and pro- versus anti-science 'movements'.

STS 300 The Environmental Context

Autumn Shoalhaven Flexible
Autumn Bega Flexible
Autumn Batemans Bay Flexible
Autumn Wollongong On Campus
Autumn Moss Vale Flexible
Credit Points: 8
Pre-requisites: Any 36 credit points
Co-requisites: None
Subject Description: Perspectives on the wider political, economic and social context of the environment are developed and explored. Topics covered include: an analysis of the principles and goals of sustainable development including issues of growth, valuation of the environment, the global dimension and equity; politics and social dynamics of environmental controversies; the politics of scientific knowledge about the environment; methods and policies for managing the environment.

STS 306 Special Topics in the Social and Policy Aspects of Engineering

Not on offer in 2008
Credit Points: 6
Pre-requisites: An STS subject or ENGG261 or equivalent, and approval of Convener of Program
Co-requisites: None
Subject Description: This subject allows Engineering students to examine specific social, historical or policy aspects of engineering projects or of the work of engineers or technologists. Students must obtain the approval of the Engineering Faculty for the subject to count towards their degree and the approval of the STS Program for a specific programme of work.

STS 322 Politics in a Technological Society

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200-level including an STS or POL 200-level subject
Co-requisites: None
Subject Description: This subject explores the relation between technology and politics. It introduces contending theoretical frameworks and specific concepts and analytical tools, and explores their usefulness for understanding the different contexts of technological development, key institutions, some major political controversies over technologies, and many specific examples of the shaping and selection of technologies and the treatment of social issues around them.

STS 335 The Politics of Risk

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200 level
Co-requisites: None
Exclusions: (STS 235) OR (STS 376) OR (STS931)
Subject Description: This subject examines hazards to human life and health associated with technologies - in the workplace and the wider environment. It focuses on the politics and economics of the generation and distribution of hazards; methods and problems in analysing and evaluating risks; discourses, debates and decision-making on hazards; and strategies for managing them. It compares different theoretical approaches for explaining these processes and debates and for informing intervention in them.

STS 336 Advanced Topics in the History of Science 1500-1800

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16 cp at 200 level including 8cp STS
Co-requisites: None
Subject Description: This subject deals each year with one advanced history of science topic in the Scientific Revolution and/or Enlightenment. Textual criticism of primary sources is emphasised, along with recent historiographical debates. Topics include: the body in the Scientific Revolution; Descartes and the rise of the Mechanical Philosophy; the experimental life - origins or processes; Newton and Newtonianism; the natural philosophical field and its sites - universities, courts, scientific societies and correspondence networks.

STS 341 Technological Change, Popular Culture and New Media

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 cp at 200 level
Co-requisites: None
Exclusions: (STS 240) OR (STS 241) OR (STS 340)
Subject Description: Drawing from a variety of literatures, but mainly those concerned with the social relations of technology, STS341 investigates questions such as: (i) What are the relations between technological change and cultural change? (ii) Are the cultural relations involving new media', such as the internet and other digital information technologies, able to be understood within traditional models of power and politics? (iii) Can we identify basic patterns of social change beneath the surface of the morass of confusing technological changes involving 'new media?' (iv) What opportunities are available to shape and control these new technologies ? (v) What are some of the new possibilities for personal expression and political participation ... and what are some of the limits? The subject links these questions to a number of key theoretical concepts, including: technological

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determinism; social shaping of technology; technological utopianism and anti-utopianism; gender; culture; power; panopticanism; commodification and consumption.

STS 360 Technology and Body Politics

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16 cp at 200 level including 8cp STS
Co-requisites: None
Exclusions: STS 260
Subject Description: People's understanding and images of the body, health and human nature have been structured by the science, medicine, popular belief and larger social forces of different historical periods. An understanding of this shaping of medical knowledge is essential to a critical awareness of contemporary health issues. This subject examines the social history of science, medicine and culture and introduces Foucauldian, feminist and social constructivist perspectives.

STS 376 The Politics of Risk

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 16 credit points at 200 level
Co-requisites: None
Exclusions: STS 235 OR STS 335 OR STS 931
Subject Description: This subject examines hazards to human life and health associated with technologies - in the workplace and the wider environment. It focuses on the politics and economics of the generation and distribution of hazards; methods and problems in analysing and evaluating risks; discourses, debates and decision-making on hazards; and strategies for managing them. It compares different theoretical approaches for explaining these processes and debates and for informing intervention in them.

STS 390 Media, War and Peace

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 credit points at 200 level
Co-requisites: None
Subject Description: War and violence are staples of media coverage. Explaining the content and style of coverage requires understanding both of media dynamics and international politics. Through case studies of war and peace journalism, military censorship and media management, and the psychology and politics of denial and acknowledgement of atrocities, students will learn how to interpret and intervene in media coverage on war and peace, violence and nonviolence. Use will be made of frameworks from communication theory, politics, and peace research.

STS 399 Research Topics in Science and Technology Studies

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 16 credit points at 200 level including 8cp STS and approval of Convenor of Program
Co-requisites: None
Subject Description: This subject involves reading and research, supervised by one or more members of STS staff, and the production of a major report, on a topic the Program considers suited to the student's background, record and specialisation. A seminar presentation and/or other written assignments may also be required in the course of the research. Students must seek approval to enrol and must negotiate a topic before session starts.

STS 411 Science, Technology and Society Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in STS with at least 70% average plus two Distinctions at 300 level subjects in STS.
Co-requisites: None
Subject Description: Honours students undertake one subject on theory and methods in STS, one specialist reading subject and 15,000-20,000 word thesis. Detailed advice regarding coursework subjects can be provided by the STS Program Convenor. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in STS 412.

STS 412 Science, Technology and Society Honours (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in STS with at least 70% average plus two Distinctions at 300 level subjects in STS.
Co-requisites: None
Subject Description: Honours students undertake one subject on theory and methods in STS, one specialist reading subject and 15,000-20,000 word thesis. Detailed advice regarding coursework subjects can be provided by the STS Program Convenor. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in STS 411.

STS 431 Joint Honours in Science, Technology & Society & Another Discipline

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Major in STS with at least 70% average plus two Distinctions at 300 level subjects.
Co-requisites: None
Subject Description: Joint Honours consists of components from the Honours programs of each unit approved by both School Honours Coordinators as forming a coherent program, including a jointly supervised thesis (for example, the popular STS & Geosciences combination in the Resource and Environmental Studies major can lead to Joint Honours in STS & Geosciences). Students should have completed studies in both disciplines accepted as equivalent to a major. Typically the STS coursework component is the Honours theory and methods seminar. Students considering Honours in STS should contact the Honours Coordinator or STS Program Convenor well in advance to seek approval for enrolment, discuss their program, and negotiate a thesis topic and supervisors. NOTE: This subject is intended only for students enrolling in Honours on a full-time basis. Part-time students should enrol in STS 432.

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STS 432 Jt Honours in Science Technology & Society & Another Discipline (PT)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Major in STS with at least 70% average plus two Distinctions at 300 level subjects.
Co-requisites: None
Subject Description: Joint Honours consists of components from the Honours programs of each unit approved by both School Honours Coordinators as forming a coherent program, including a jointly supervised thesis (for example, the popular STS & Geosciences combination in the Resource and Environmental Studies major can lead to Joint Honours in STS & Geosciences). Students should have completed studies in both disciplines accepted as equivalent to a major. Typically the STS coursework component is the Honours theory and methods seminar. Students considering Honours in STS should contact the Honours Coordinator or STS Program Convenor well in advance to seek approval for enrolment, discuss their program, and negotiate a thesis topic and supervisors. NOTE: This subject is intended only for students enrolling in Honours on a part-time basis. Full-time students should enrol in STS 431.

WAR 300 War and Society

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 52 credit points
Co-requisites: None
Subject Description: Using different perspectives, this subject introduces students to broad questions of war, its nature, its impact on society and its representations. Issues discussed include the definitions and causes of war, the nature of combat, international diplomacy and war, gender and war, war as represented in literature and popular culture and the place of war in notions of national identity. It is informed by, and informs, the elective subjects offered in the Studies in War and Society major.

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Faculty of Commerce

Member Units

School of Accounting and Finance

School of Economics

School of Management and Marketing

Degrees Offered

Single Degrees

Bachelor of Business Administration

Bachelor of Business Administration (Dean's Scholar)

Bachelor of Business Administration (Event Management)

Bachelor of Business Administration (Hospitality)

Bachelor of Business Administration (Tourism Management)

Bachelor of Commerce

Bachelor of Commerce (Dean's Scholar)

Bachelor of Commerce (Honours)

Bachelor of Mathematics and Finance (See Faculty of Informatics)

Bachelor of Mathematics and Economics (See Faculty of Informatics)

Double Degrees

Bachelor of Arts - Bachelor of Commerce (See Faculty of Arts)

Bachelor of Communication and Media Studies – Bachelor of Commerce (See Faculty of Arts)

Bachelor of Creative Arts - Bachelor of Commerce (See Faculty of Creative Arts)

Bachelor of Engineering - Bachelor of Commerce (See Faculty of Engineering)

Bachelor of Commerce - Bachelor of Laws (See Faculty of Law)

Bachelor of Science (Faculty of Science) - Bachelor of Commerce (See Faculty of Science)

Bachelor of Science (Faculty of Health and Behavioural Sciences) - Bachelor of Commerce (See Faculty of Health and Behavioural Sciences)

Bachelor of Psychology - Bachelor of Commerce See Faculty of Health and Behavioural Sciences)

Bachelor of Journalism – Bachelor of Commerce (See Faculty of Creative Arts)

Bachelor of Medical Science – Bachelor of Commerce See Faculty of Health and Behavioural Sciences)

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/index.html

International - www.uow.edu.au/prospective/international/fees/

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Bachelor of Business Administration

Testamur Title of Degree:	Bachelor of Business Administration
Abbreviation:	BBA
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location/UOW Course Code/UAC Code:	Wollongong/ 783/ 753602 Shoalhaven/ SH783/ 753603 Batemans Bay/ BB783/ 753604 Bega/ BE783/ 753605 Moss Vale/ MV783/ 753606 Loftus/ LO783/ 753607
CRICOS Code:	039557G

Overview

A generalist degree designed to provide students with a broad educational base in business as preparation for a variety of positions in corporations, small businesses and the public sector. Students are exposed to a series of foundation subjects that provide a solid basis for developing a higher-level understanding of all the principal areas of business including: accountancy, finance, information systems, marketing and management. It is not suitable for students who wish to major in a specialised area of Commerce.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English. Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year. Entry for 2007 was UAI 78 at the Wollongong Campus and Loftus Campus. At all other campuses the entry for 2007 was UAI 75.

Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Course Requirements

1. To qualify for the award of the Bachelor of Business Administration a candidate shall accrue an aggregate of 144 credit points by satisfactory completion of subjects listed in the program of study including electives.
2. Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration does not satisfy degree requirements.

Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
COMM110	Introduction to Business Information Systems	Autumn	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
LAW 101	Law, Business and Society	Autumn	6
MGMT102	Business Communications	Autumn	6
MGMT110	Introduction to Management	Autumn	6
MARK101	Marketing Principles	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN 221	Introductory Business Finance	Autumn/Spring	6
MARK217	Consumer Behaviour	Autumn	6

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MARK270	Services Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
Plus one of each of the following pairs of subjects			
(Note that in some locations only one subject from each pair may be offered)			
BUSS211	Requirements Determination and Systems Analysis	n/o 2008	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
FIN 226	Financial Markets and Institutions	Spring	6
FIN 223	Investment Analysis	Spring	6
MGMT201	Organisational Behaviour	Autumn	6
MGMT206	Managing Human Resources	Autumn/Spring	6
BUSS308	Information Systems Management	n/o 2008	6
ECON309	Environmental Economics	Spring	6
MGMT316	Operations Management	Spring	6
MGMT389	International Business Management	Autumn	6

Plus 18 credit points of electives of which only 12 credit points may be from 100-level subjects.

Other Information

Additional information can be obtained by contacting commerce@uow.edu.au

Bachelor of Business Administration (Dean's Scholar)

Testamur Title of Degree:	Bachelor of Business Administration (Dean's Scholar)
Abbreviation:	BBA (Dean's Scholar)
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong, Shoalhaven, Batemans Bay, Bega, Moss Vale, Loftus
UOW Course Code/UAC Code:	Wollongong/ 783A/ 753920
	Bateman's Bay/ 783B/ 753922
	Bega/ 783C/ 753923
	Shoalhaven/ 783D /753921
	Moss Vale/ 783E/ 753924
	Loftus/ 783F/ 753925
CRICOS Code:	039557G

Overview

This degree provides an enriched educational experience for high achieving students that will encourage them to continue their studies through to the completion of honours and research degrees. This course is available to a limited number of candidates. Dean's Scholars receive one to one academic mentoring and have special opportunities to attend workshops and seminars. The degree includes the awarding of a book allowance and access to work experience.

Entry Requirements

Entry will be by application form and interview for candidates with a minimum UAI of 93 or equivalent. Current Commerce students can apply for a course transfer to this program after completion of a minimum of 48 credit points at the University of Wollongong.

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Course Requirements

1. To qualify for the award of the Bachelor of Business Administration (Dean's Scholar) a candidate shall accrue an aggregate of 144 credit points by satisfactory completion of subjects listed in the program of study including electives.
2. Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration does not satisfy degree requirements.
4. Candidates for this degree will be required to maintain a Weighted Average Mark (WAM) of at least 75 each year to continue in the program.

Course Program

Dean's Scholars will complete all requirements as listed for the Bachelor of Business Administration degree and may be permitted to take accelerated programs after their first session.

Other Information

Additional information can be obtained by contacting commerce@uow.edu.au

Bachelor of Business Administration (Event Management)

Testamur Title of Degree:	Bachelor of Business Administration (Event Management)
Abbreviation:	BBA (EM)
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location/UOW Course Code/UAC Code	Loftus/ LO783/ 753913
	Shoalhaven /SH783/ 753914
	Wollongong /783/ 753915
CRICOS Code:	058674A

Overview

The BBA (Event Management) is delivered jointly by the University of Wollongong and the Institute of TAFE. Upon completion, students receive a BBA degree from the University of Wollongong and a Diploma in Event Management from TAFE. The program offers broad and comprehensive preparation for students wishing to pursue a career in event management.

Entry Requirements / Assumed Knowledge

Assumed knowledge is any two units of English. Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year.

Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Course Requirements

This course is offered in conjunction and concurrently with the TAFE Diploma in Event Management. The Event Management component will be delivered by TAFE and result in the award of a Diploma in Event Management.

1. To qualify for the award of Bachelor of Business Administration (Event Management) a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects listed in the program of study.
2. Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration (Event Management) does not satisfy the degree requirements.

Cross articulation may occur between the TAFE Diploma in Event Management and the University of Wollongong Bachelor of Business Administration (Event Management) provided these courses are completed concurrently.

Should the Diploma in Event Management be completed prior to enrolling in the BBA the standard articulation agreement will apply.

All admission applications must be completed on an Undergraduate Course Application Form.

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Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Introductory Business Finance	Autumn	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
Plus one of each of the following pairs of subjects			
(Note that in some locations only one subject from each pair may be offered)			
BUSS211	Requirements Determination and Systems Analysis	n/o 2008	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
FIN226	Financial Markets and Institutions	Spring	6
FIN223	Investment Analysis	Spring	6
BUSS308	Information Systems Management	n/o 2008	6
ECON309	Environmental Economics	Spring	6
MGMT316	Operations Management	Spring	6
MGMT389	International Business Management	Autumn	6

Plus those subjects for which credit is granted for the TAFE Diploma in Event Management.

Additional information can be obtained by contacting commerce@uow.edu.au

Bachelor of Business Administration (Hospitality)

Testamur Title of Degree:	Bachelor of Business Administration (Hospitality)
Abbreviation:	BBA (Hosp)
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location/UOW Course Code/UAC Code:	Wollongong/ 783/ 753910
	Loftus/ LO783/ 753912
	Shoalhaven/ SH783/ 753911 – Not on offer in 2008
CRICOS Code:	042546G

Overview

The Bachelor of Business Administration (Hospitality) is delivered jointly by the University of Wollongong and the Institute of TAFE. Upon completion, students receive a Bachelor of Business Administration degree from the University of Wollongong and a Diploma in Hospitality from TAFE. The program offers broad and comprehensive preparation for students wishing to pursue a management career in the hospitality industry.

Entry Requirements / Assumed Knowledge

Students need to be 18 years of age by 1 April in their first year of TAFE enrolment. Assumed knowledge is any two units of English. Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for

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this calendar year. Entry for 2007 was UAI 78 at the Wollongong Campus and Loftus Campus. At all other campuses the entry for 2007 was UAI 75.

Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Course Requirements

This course is offered in conjunction and concurrently with the TAFE Diploma in Hospitality Management. The Hospitality Management component will be delivered by TAFE and result in the award of a Diploma in Hospitality Management.

1. To qualify for the award of Bachelor of Business Administration (Hospitality) a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects listed in the program of study.
2. Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration (Hospitality) does not satisfy the degree requirements.

Cross articulation may occur between the TAFE Diploma in Hospitality Management and the University of Wollongong Bachelor of Business Administration (Hospitality) provided these courses are completed concurrently. Should the Diploma in Hospitality Management be completed prior to enrolling in the Bachelor of Business Administration the standard articulation agreement will apply.

All admission applications must be completed on an Undergraduate Course Application Form.

Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Introductory Business Finance	Autumn/Spring	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
Plus one of each of the following pairs of subjects			
(Note that in some locations only one subject from each pair may be offered)			
BUSS211	Requirements Determinations and Systems Analysis	n/o 2008	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
FIN226	Financial Markets and Institutions	Spring	6
FIN223	Investment Analysis	Spring	6
BUSS308	Information Systems Management	n/o 2008	6
ECON309	Environmental Economics	Spring	6
MGMT316	Operations Management	Spring	6
MGMT389	International Business Management	Autumn	6

Plus those subjects for which credit is granted for the TAFE Diploma in Hospitality Management.

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Other Information

For additional information contact commerce@uow.edu.au

Bachelor of Business Administration (Tourism Management)

Testamur Title of Degree:	Bachelor of Business Administration (Tourism Management)
Abbreviation:	BBA (TourMgmt)
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location/UOW Course Code/UAC Code:	Wollongong/ 783/ 753918
CRICOS Code:	058673B

Overview

The Bachelor of Business Administration (Tourism Management) is delivered jointly by the University of Wollongong and the Institute of TAFE. Upon completion, students receive a Bachelor of Business Administration degree from the University of Wollongong and an Advanced Diploma in Tourism Management from TAFE. The program offers broad and comprehensive preparation for students wishing to pursue a management career in the tourism industry.

Entry Requirements / Assumed Knowledge

Students need to be 18 years of age by 1 April in their first year of TAFE enrolment. Assumed knowledge is any two units of English. Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year.

Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Course Requirements

This course is offered in conjunction and concurrently with the TAFE Advanced Diploma in Tourism Management. The Tourism Management component will be delivered by TAFE and result in the award of an Advanced Diploma in Tourism Management.

1. To qualify for the award of Bachelor of Business Administration (Tourism Management) a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects listed in the program of study.
2. Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration (Tourism Management) does not satisfy the degree requirements.

Cross articulation may occur between the TAFE Advanced Diploma in Tourism Management and the University of Wollongong Bachelor of Business Administration (Tourism Management) provided these courses are completed concurrently.

Should the Advanced Diploma in Tourism Management be completed prior to enrolling in the Bachelor of Business Administration the standard articulation agreement will apply.

All admission applications must be completed on an Undergraduate Course Application Form.

Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Introductory Business Finance	Autumn/Spring	6

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MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
Plus one of each of the following pairs of subjects			
(Note that in some locations only one subject from each pair may be offered)			
BUSS211	Requirements Determinations and Systems Analysis	n/o 2008	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
FIN226	Financial Markets and Institutions	Spring	6
FIN223	Investment Analysis	Spring	6
BUSS308	Information Systems Management	n/o 2008	6
ECON309	Environmental Economics	Spring	6
MGMT316	Operations Management	Spring	6
MGMT389	International Business Management	Autumn	6

Plus those subjects for which credit is granted for the TAFE Diploma in Tourism Management.

Other Information

For additional information contact commerce@uow.edu.au

Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Commerce
Abbreviation:	BCom
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location/UOW Course Code/UAC Code:	Wollongong/ 710/ 753602
	Shoalhaven/ SH710/ 753603
	Bateman's Bay/ BB710/ 753604
	Bega/ BE710/ 753605
	Moss Vale/ MV710/753606
CRICOS Code:	027464A

Overview

This degree is designed for students who would like to major in one or more of the principle areas of business and commerce. It is a suitable preparation for students who would like to become professionals in a particular discipline or want to pursue a general career in business. The degree consists of two components a core and a major(s). The core includes an integrating subject that is designed to bring students studying different majors together to examine a contemporary topic. The aim is to provide a foundation for the understanding of the business and commercial environment.

Entry Requirements / Assumed Knowledge

Assumed Knowledge – any two units of English.

Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year. Entry for 2007 was UAI 80. Applications are also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: www.uow.edu.au/handbook/generalcourserules/UOW028672.html

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Course Requirements

1. To qualify for award of the degree of Bachelor of Commerce a candidate shall accrue an aggregate of at least 144 credit points, including a major study, by satisfactory completion of subjects listed in the General Schedule.
2. Students must complete and pass all core subjects plus one of the approved BCom degree majors, double majors or a major and a minor and elective subjects.
3. Of the 144 credit points not more than 72 credit points shall be for 100 level subjects.
4. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject for the selected major area does not satisfy degree requirements. A student wishing to graduate with a double major must obtain clear passes in both majors at 300-level to satisfy requirements.
5. Each major in the BCom requires 48 credit points and each minor requires 24 credit points as specified in the relevant schedules. The following rules apply:

a) Students must complete at least one major but may complete two if they wish. A single subject may count towards two different majors. However, such double counting can apply to only one, 6 credit point subject. Thus completing a second major will require completion of an additional 42 to 48 specified credit points. Where two or more subjects are common to two majors, the relevant Head of School will designate a replacement subject(s).

b) Students may complete one or two of the designated minors but the completion of a minor is not a degree requirement. A minor cannot be completed in the same discipline as the major, for example an Accountancy Major with an Accountancy Minor. A single subject may not count towards a major and minor or towards two minors; double counting is not permitted when completing a minor. Thus completing each minor will require an additional 24 specified credit points. Where one (or more) subject(s) is common to a major and a minor or to two different minors, the relevant Head of School will designate a replacement subject(s).

Course Program

Commerce Core

Code	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn/Spring	6
ACCY102	Accounting IB	Spring	6
COMM110	Introduction to Business Information Systems	Autumn/Spring	6
COMM121	Quantitative Methods I	Autumn/Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111	Introductory Microeconomics	Autumn/Spring	6
MARK101	Marketing Principles	Autumn/Spring	6
MGMT110	Introduction to Management	Autumn/Spring	6

Plus at least one Integrating subject selected from:

Code	Subject	Session	Credit Points
COMM303	Development of Modern Business	Autumn	6
COMM351	Business Ethics and Governance	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn/Spring	6
COMM328	Contemporary Issues in Commerce	n/o 2008	6

Total Credit Points in Core = 54

Accountancy students may substitute STAT131 Understanding Variation and Uncertainty for COMM121 Quantitative Methods l. Note: entry to this subject depends on HSC or equivalent performance (see General Schedule, Faculty of Informatics, School of Mathematics and Applied Statistics, for details).

Major Study Areas

Students taking a major in a degree offered by a Faculty other than the Faculty of Commerce are not required to complete the core subjects in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the major. All students must satisfy subject prerequisites except where waivers have been granted.

Accountancy

Business Innovation

Business Law

Economics

Finance

Financial Planning

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Human Resource Management

International Business

Management

Marketing

Public Relations

Supply Chain Management

Accountancy

Whether they work in a large multinational corporation, a government agency or a small company, accountants play a pivotal role in advising senior management on the financial direction of the enterprise.

Professional Recognition

On completion of a Bachelor of Commerce (Accountancy) degree you will have gained the necessary skills and qualifications to work as an accountant.

To be eligible for membership of the two Australian accounting professional bodies, CPA Australia and the Institute of Chartered Accountants in Australia (ICAA), students must complete subjects in addition to those specified for the Bachelor of Commerce degree. These subjects are noted below.

Graduates are also eligible to apply for membership of the Association of Chartered Certified Accountants (ACCA) and the Chartered Institute of Management Accountants (CIMA).

Subjects required for major study

Code	Subject	Session	Credit Points
ACCY200	Financial Accounting IIA	Autumn	6
ACCY201	Financial Accounting IIB	Spring	6
ACCY211	Management Accounting II	Autumn	6
ACCY231	Information Systems in Accounting	Spring	6
FIN221	Introductory Business Finance	Autumn/Spring	6
ACCY305	Financial Accounting III	Autumn	6
ACCY312	Management Accounting III	Spring	6
ACCY342	Auditing and Assurance Services	Autumn	6

Additional specified subjects (18 credit points) required for professional accreditation; LAW101, LAW302 and LAW315. Students wishing to have a minor in Business Law will also be required to undertake an additional LAW subject.

Other information

For additional information contact accfin@uow.edu.au

Business Innovation

Business innovation is a crucial source of competitive advantage and the prime mover of economic growth. The motto for the new economy firm is 'innovate or evaporate' and the guiding rule for government is 'innovate or abdicate'.

The Business Innovation major is designed to enable students to thrive in an ever-changing business environment. To this end, the major combines conceptual frameworks from management and economics in a non-technical and accessible manner. These frameworks provide students with a tools and knowledge base to successfully create and adopt innovations.

Subjects required for major study

Code	Subject	Session	Credit Points
ECON219	Economic Essentials for Business Innovation	Spring	6
ECON320	Economics of Small and Medium Enterprises	Autumn	6
MGMT209	Managing Knowledge in Organisations	Autumn	6
MGMT300	Managing Innovation	Spring	6

Plus

12 credit points, 6 of which must come from 300 level Economic subjects and the other 6 from 200 or 300 level Economics subjects; and

12 credit points drawn from

Code	Subject	Session	Credit Points
MGMT215	Small Business Management	Autumn	6
MGMT218	Competitive Analysis	Spring	6

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MGMT311	Management of Change	Spring	6
MGMT332	Enterprise and Innovation	Spring	6
MARK356	Creating and Marketing New Products	Autumn	6

6 credit points must be from 300 level subjects and the other 6 from 200 or 300 level Management/Marketing subjects.

Other information

For additional information contact econ_enquiries@uow.edu.au

Business Law

The Business Law major provides graduates with the skills and knowledge base that are critical to successfully understanding the context, application and impact of law on the structures and transactions of business. After completing the foundation law subject, students are able to choose from a large range of specialist subjects. The Business Law major may be taken separately or in conjunction with any other major in the Commerce Schedule and complements other discipline studies, providing a legal framework perspective on the institutions and structures of those disciplines.

Students considering transferring to the double degree Bachelor of Commerce-Bachelor of Law should seek academic advice before enrolling in any subject in this major

Subjects required for major study

Code	Subject	Session	Credit Points
LAW 101	Law, Business and Society	Autumn	6
Plus 42 credit points selected from:			
LAW 302	Law of Business Organisations	Autumn	6
LAW 315	Taxation Law	Spring	6
LAW 316	Occupational Health and Safety Law	Autumn	6
LAW 317	E-Commerce Law	n/o 2008	6
LAW 321	Banking Law	n/o 2008	6
LAW 330	Law of Employment	Autumn	6
LAW 331	Intellectual Property Law	Autumn	6
LAW 332	Labour Relations Law	Spring	6
LAW 335	Anti-Discrimination Law	n/o 2008	6
LAW 348	Media Law	n/o 2008	6
LAW 352	Advanced Taxation Law	n/o 2008	6
LAW 360	Foreign Investment Law in the People's Republic of China	n/o 2008	6

Economics

Economics is the study of the economy at the micro and macro levels. Areas of interest to economists include the behaviour of consumers and business firms, the labour market, health care, the environment, technology and innovation, economic growth and development, monetary and fiscal policy, international trade and finance, and the global economy.

Students taking an Economics major will study the theory, policies, practices and institutions of national economies and the international economy. They will learn tools of analysis that can be applied to a wide range of economic issues.

Subjects required for major study

Code	Subjects	Session	Credit Points
ECON205	Macroeconomic Theory and Policy	Autumn/Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6
ECON222	Quantitative Methods II	Autumn/Spring	6
ECON305	Economic Policy	Spring	6
ECON316	History of Economic Thought	Spring	6
Or			
ECON304	The Historical Foundations of the Modern Australian Economy	Autumn	6

Plus 18 credit points, 12 of which must be from 300-level Economics subjects and the other 6 from 200- or 300-level Economics subjects.

Finance

Finance studies the ways in which individuals, businesses, and other organisations raise, allocate and use money. Individuals need to allocate their savings among different investment alternatives, businesses and other organisations

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need to raise and invest capital to provide value for their owners, and individuals, businesses and other organisations use financial markets to exchange capital with each other. Finance majors are undertaken by students for three main reasons. One reason is to pursue a career in finance. This can be rewarding for individuals who are interested in analysing and solving financial problems. Another reason is where a student is majoring in another field, but is interested in understanding the firm as a whole. Since finance underlies all business functions, a better understanding of financial decision-making is essential for business success. A final reason is that a student is interested in learning about finance for personal reasons. All individuals can benefit from an understanding of how finance affects their lives and with this knowledge making better financial decisions.

Preparatory Studies

Accounting, Economics, Mathematics and Statistics are all important foundations for understanding the theory and applications of finance principles. However, behavioural studies are also important for an understanding of applied finance issues and decision-making.

Professional Recognition

Recognised by the Financial Services Institute of Australasia (FINSIA)

Subjects required for major study

Code	Subjects	Session	Credit Points
ACCY200	Financial Accounting IIA	Autumn	6
FIN 221	Introductory Business Finance	Autumn/Spring	6
FIN 223	Investment Analysis	Spring	6
FIN 226	Financial Markets and Institutions	Autumn/Spring	6
ECON240	Financial Modelling	Spring	6
FIN 322	Advanced Business Finance	Spring	6
FIN 323	Portfolio Management	Autumn	6
Plus at least one of the following:			
FIN 324	Financial Statement Analysis	Autumn	6
FIN325	Bank Management	Autumn	6
FIN 327	Entrepreneurial Finance	Autumn	6
FIN 320	Risk and Insurance	Spring	6
FIN 351	International Finance	Spring	6
ECON331	Financial Economics	Spring	6

Note: Students undertaking a double major with Financial Planning are required to substitute an additional 300-level FIN subject for FIN323 in their Financial Planning major. With permission of the Associate Head of School (Finance), students may include FIN359 Selected Issues in Finance in the 300-level electives.

Other Information

For additional information contact accfin@uow.edu.au

Financial Planning

Financial planners must have an understanding not only of finance but also of accounting, management and marketing. Financial Planning is the design of specific financial outcomes that meet a client's unique needs and objectives, given the clients financial resources and risk profile. Its broad approach is to fulfil the clients total needs and to incorporate within it, the areas of investment planning, taxation and social services planning, retirement planning, risk planning and estate planning. This major builds the skill set needed for recognition by the Australian Securities and Investments Commission and the Financial Planning Association, allowing finance graduates who choose this major to work as a financial planner in banks, life insurance companies or credit unions, fund management, employed by corporate entities or self employed

Professional Recognition

On completion of a Bachelor of Commerce (Financial Planning), you will have gained the necessary skills and qualifications to work as a financial planner offering services to a broad clientele. This degree meets the training requirements of the Australian Securities and Investments Commission (ASIC) and is accredited as meeting all the skill and knowledge components of Policy Statement 146 (PS146) Tier 1 and is listed on the ASIC Training Register. The degree is also recognised by the Financial Services Institute of Australasia (FINSIA) and is accredited with the Financial Planning Association (FPA) for entry into the FPA CFP Education Program.

Subjects required for major study

Code	Subject	Session	Credit Points
LAW101	Law, Business and Society	Autumn	6
FIN251	Introduction to Financial Planning	Autumn	6

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ACCY228	Tax Planning	Spring	6
FIN223	Investment Analysis	Spring	6
FIN328	Retirement and Estate Planning	Autumn	6
FIN323	Portfolio Management	Autumn	6
FIN320	Risk and Insurance	Spring	6
FIN329	Advanced Financial Planning	Spring	6

Note: Students undertaking a double major with Finance are required to substitute an additional 300-level FIN subject for FIN323 in their Finance major.

Other Information

For additional information contact accfin@uow.edu.au

Human Resource Management

Increasingly, business firms and the public sector recognise that a major source of sustainable success is found in capable and productive human resources. The human resource management (HRM) major focuses on the people side of organisations. It is relevant to students wishing to pursue a professional career in HRM as well as to those students who see people management as a necessary part of their future skills portfolio.

The major provides students with an understanding of human resource management theories, concepts and applications. This includes detailed study of theory and practices in key functional areas of HRM, including job analysis, recruitment and selection, training and development, change management and occupational health and safety management.

Professional Recognition

The HRM major has accreditation from the Australian Human Resources Institute. Students are eligible for membership of the Institute.

Subjects required for major study

Code	Subjects	Session	Credit Points
MGMT201	Organisational Behaviour	Autumn	6
MGMT205	Recruitment and Selection	Spring	6
MGMT206	Managing Human Resources	Autumn/Spring	6
MGMT220	Organisational Analysis	Spring	6
MGMT311	Management of Change	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
MGMT321	Occupational Health & Safety Management	Spring	6
MGMT322	Training and Development	Autumn	6

International Business

The International Business major gives you an awareness and understanding of business in other cultures and regions. It prepares you to respond to the intricacies of international business (including the impact of differing cultures and languages, issues posed by differing markets, and differing government regulations) within this rapidly growing environment.

You will gain an understanding of leadership, strategy, cultural diversity, communications and decision-making as they relate to contemporary international business issues, including financial management, employment relations, industry and trade in South-East Asia, and international marketing and management.

As the world is becoming 'smaller' with regards to advances in technology, employers are seeking graduates with international business skills. It offers a career in any trans-national corporation or large NGOs (non-government organisations) in Australia and overseas across most industries.

Subjects required for major study

Code	Subjects	Session	Credit Points
ECON216	International Trade Theory and Policy	Spring	6
ECON251	Industry and Trade in East Asia	Spring	6
FIN 241	International Financial Management	Autumn	6
MGMT301	Managing Across Cultures	Autumn	6
MGMT314	Strategic Management	Autumn/Spring	6
MGMT341	International and Comparative Human Resource Management	Spring	6
MARK343	International Marketing	Autumn	6

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MGMT389	International Business Management	Autumn	6

Management

Management is the art and science of planning, coordinating and leading group efforts and involves the effective mobilisation of human and material resources to achieve organisational goals. The management major combines many subject areas to develop theoretical and practical understanding of the complexities involved in management, and develops student skills in working with human, organisational and technical systems within an organisation.

Subjects required for major study

Code	Subjects	Session	Credit Points
MGMT102	Business Communications	Autumn	6
MGMT201	Organisational Behaviour	Autumn	6
MGMT206	Managing Human Resources	Autumn/Spring	6
MGMT220	Organisational Analysis	Spring	6
MGMT311	Management of Change	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
MGMT316	Operations Management	Spring	6
MGMT350	Quality Management	Spring	6

Marketing

A marketing major provides the skills to generate products and services for which there is a defined customer need and to establish a competitive advantage by effective positioning in the market with reference to product, promotion, pricing and distribution strategies. The marketing major is gear toward problem-solving and decision-making. Sound analytical and communication skills, as well as creative thinking are essential to successful marketing.

In addition to the more established commercial marketing, there is an opportunity to pursue an interest in specialist marketing applications including social marketing and not-for-profit marketing. Students are encouraged to become involved in on-campus groups such as the Marketing Society and gain knowledge of professional practice and establish valuable industry contacts as a student member of the Australian Marketing Institute.

Subjects required for major study

Code	Subjects	Session	Credit Points
MARK201	Applied Marketing Research A	Autumn	6
MARK202	Applied Marketing Research B	Spring	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Spring	6
MARK301	Internet Applications for Marketing	Spring	6
MARK333	Marketing Communications & Advertising	Autumn	6
MARK343	International Marketing	Autumn	6
MARK344	Marketing Strategy	Spring	6

Public Relations

The public relations major is designed to enable graduates to manage organizational communication with multiple stakeholders. The unique contribution of this major is that it will emphasize social innovation and community engagement alongside commercial imperatives.

The public relations major focuses on communicating with internal and external constituencies and stakeholders, building strategic alliances, flexible networks, a market orientation and a sense of community. It covers a variety of subjects including business communication, public relations concepts, public relations strategies, corporate identity and branding, marketing communications and advertising and public relations campaigns.

It would add value as a double major with marketing, communications and media studies and journalism.

Subjects required for major study

Code	Subject	Session	Credit Points
MGMT102	Business Communications	Autumn	6
PRMM201	Public Relations Concepts	Autumn	6
PRMM202	Public Relations Strategy	Spring	6
PRMM301	Public Relations Campaigns	N/A until 2009	6

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PRMM303	Corporate Identity and Branding	N/A until 2009	6
MGMT301	Managing Across Cultures	Autumn	6
MARK320	Social Marketing	Spring	6
MARK333	Marketing Communications & Advertising	Autumn	6

Supply Chain Management

Supply Chain Management (SCM) is a critical area of competitive advantage for organisations. Supply Chain Management involves managing the flow of products and services, financial and information from the suppliers through value adding intermediaries to the customer's customer. It includes managing technical processes both within the firm between functions such as procurement, manufacturing and marketing, and between organisations such as manufacturers, distributors, wholesalers and retailers. Therefore, an understanding of people and relationships are essential skills in managing these relationships.

The Supply Chain Management major is designed to enable students to gain an overall understanding of supply chain structure and related interfaces. It provides the opportunity for students to specialize in a number of areas such as logistics, operations, systems thinking, quality and supply chain strategies. Since all management and marketing subjects interrelate to supply chain management this major provides a suitable linkage with marketing and management degrees as either a useful double major or attractive minor.

Subjects required for major study

Code	Subjects	Session	Credit Points
MGMT200	Management and Electronic Business	Autumn	6
MGMT256	Systems Thinking & Simulation	Spring	6
MGMT257	Principles of Supply Chain Management	Autumn	6
MGMT309	Supply Chain Strategies	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
MGMT316	Operations Management	Spring	6
MGMT328	Logistics Management	Autumn	6
MGMT350	Quality Management	Spring	6

Minor Study Areas

Students taking a minor in a degree offered by a Faculty other than the Faculty of Commerce are not required to complete the core subjects in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the minor. All students must satisfy subject prerequisites except where waivers have been granted.

BCom Minor Study Areas (Accountancy; Business Innovation; Business Law ; Economics; Electronic Commerce; Finance; Human Resource Management; International Business Management ; Marketing ; Public Relations ; Supply Chain Management)

Accountancy

24 credit points selected from 200- and 300- level ACCY subjects.

Business Information Systems

Code	Subjects	Session	Credit Points
ISIT111	Programming Concepts	Spring	6
ISIT100	Systems Analysis	Autumn	6
Plus 12 credit points selected from:			
ISIT201	Information and Communication Security	Spring	6
ISIT204	e-Business Applications	Autumn	6
ISIT218	Systems Design and Human Computer Interaction	Spring	6

Business Innovation

Code	Subjects	Session	Credit Points
ECON219	Economics Essentials for Business Innovation	Spring	6
MGMT300	Managing Innovation	Spring	6
Plus 12 credit points, 6cp of which must be from 200-or 300-level Economics subjects, and the other 6cp selected from:			
MGMT209	Managing Knowledge in Organisations	Autumn	6

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MGMT215	Small Business Management	Autumn	6
MGMT218	Competitive Analysis	Spring	6
MGMT311	Management of Change	Spring	6
MGMT332	Enterprise and Innovation	Spring	6
MARK356	Creating and Marketing New Products	Autumn	6

Business Law

Code	Subjects	Session	Credit Points
LAW 101	Law, Business and Society	Autumn	6
Plus 18 credit points selected from:			
LAW 302	Law of Business Organisations	Autumn	6
LAW 315	Taxation Law	Spring	6
LAW 316	Occupational Health and Safety Law	Autumn	6
LAW 317	E-Commerce Law	n/o 2008	6
LAW 321	Banking Law	n/o 2008	6
LAW 330	Law of Employment	Autumn	6
LAW 331	Intellectual Property Law	Autumn	6
LAW 332	Labour Relations Law	Spring	6
LAW 335	Anti-Discrimination Law	n/o 2008	6
LAW 348	Media Law	n/o 2008	6
LAW 352	Advanced Taxation Law	n/o 2008	6
LAW 360	Foreign Investment Law in the People's Republic of China	n/o 2008	6

Economics

Code	Subjects	Session	Credit Points
ECON205	Macroeconomic Theory and Policy	Autumn/Spring	6
Or			
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6

Plus 18 credit points, 12cp of which must be from 300-level Economics subjects and the other 6cp from one 200- or 300-level Economics subject.

Electronic Commerce

24 credit points selected from:

Code	Subjects	Session	Credit Points
ECON319	Electronic Commerce and Economics of Business	Autumn	6
MARK301	Internet Applications for Marketing	Spring	6
MGMT200	Management and Electronic Business	Autumn	6
MGMT300	Managing Innovation	Spring	6

Finance

Code	Subject	Session	Credit Points
FIN 221	Introductory Business Finance	Autumn/Spring	6

Plus 18 credit points selected from 200- & 300- level FIN subjects

Human Resource Management

24 credit points selected from:

Code	Subjects	Session	Credit Points
MGMT201	Organisational Behaviour	Autumn	6
MGMT205	Recruitment and Selection	Spring	6
MGMT206	Managing Human Resources	Autumn/Spring	6

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MGMT220	Organisational Analysis	Spring	6
MGMT311	Management of Change	Spring	6
MGMT314	Strategic Management	Autumn/Spring	6
MGMT321	Occupational Health & Safety Management	Spring	6
MGMT322	Training and Development	Autumn	6

International Business

Code	Subjects	Session	Credit Points
ECON216	International Trade Theory and Policy	Spring	6
FIN 241	International Financial Management	Autumn	6
MGMT341	International and Comparative Human Resource Management	Spring	6
Or			
MARK343	International Marketing	Autumn	6
Plus			
MGMT389	International Business Management	Autumn	6

Supply Chain Management

Code	Subjects	Session	Credit Points
MGMT256	Systems Thinking & Simulation	Spring	6
MGMT257	Principles of Supply Chain Management	Autumn	6
MGMT309	Supply Chain Strategies	Spring	6
MGMT328	Logistics Management	Autumn	6

Management

Code	Subjects	Session	Credit Points
MGMT102	Business Communications	Autumn	6

Plus 18 credit points selected from 200- and 300- level MGMT subjects

Marketing

24 credit points from 200- and 300- level MARK subjects.

Public Relations

Code	Subjects	Session	Credit Points
PRMM201	Public Relations Concepts	Autumn	6
PRMM202	Public Relations Strategy	Spring	6
PRMM303	Corporate Identity and Branding	n/o 2008	6
PRMM301	Public Relations Campaigns	n/o 2008	6

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Bachelor of Commerce (Dean's Scholar)

Testamur Title of Degree:	Bachelor of Commerce (Dean's Scholar)
Abbreviation:	BCom (Dean's Scholar)
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong, Shoalhaven, Batemans Bay, Bega, Moss Vale
UOW Course Code:	Wollongong/ 710A/ 753610
	Bateman's Bay/ 710B/ 75312
	Bega/ 710C/ 753613
	Shoalhaven/ 710D/ 75361
	Moss Vale/ 710E/ 753614
CRICOS Code:	027464A

Overview

This degree provides an enriched educational experience for high achieving students that will encourage them to continue their studies through to the completion of honours and research degrees. This course is available to a limited number of candidates. Dean's Scholars receive one to one academic mentoring and have special opportunities to attend workshops and seminars. The degree includes the awarding of a book allowance, mentoring, leadership development and access to work experience.

Entry Requirements

Entry will be by application form and interview for candidates with a minimum UAI of 93 or equivalent. Current Commerce students can apply for a course transfer to this program after completion of a minimum of 48 credit points at the University of Wollongong.

Course Requirements

1. To qualify for award of the degree of Bachelor of Commerce (Dean's Scholar) a candidate shall accrue an aggregate of at least 144 credit points, including a major study, by satisfactory completion of subjects listed in the General Schedule.
2. Students must complete and pass all core subjects plus one of the approved Bachelor of Commerce degree majors, double majors or a major and a minor and elective subjects.
3. Of the 144 credit points not more than 72 credit points shall be for 100-level subjects.
4. Candidates for this degree will be required to maintain a Weighted Average Mark (WAM) of at least 75 each year to continue in the program.
5. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject for the selected major area does not satisfy degree requirements. A student wishing to graduate with a double major must obtain clear passes in both majors at 300-level to satisfy requirements.
6. Each major in the Bachelor of Commerce requires 48 credit points and each minor requires 24 credit points as specified in the relevant schedules. The following rules apply:

a. Students must complete at least one major but may complete two if they wish. A single subject may count towards two different majors. However, such double counting can apply to only one, 6 credit point subject. Thus completing a second major will require completion of an additional 42 to 48 specified credit points. Where two or more subjects are common to two majors, the relevant Head of School will designate a replacement subject(s).

b. Students may complete one or two of the designated minors but the completion of a minor is not a degree requirement. A minor cannot be completed in the same discipline as the major, for example an Accountancy Major with an Accountancy Minor. A single subject may not count towards a major and minor or towards two minors; double counting is not permitted when completing a minor. Thus completing each minor will require an additional 24 specified credit points. Where one (or more) subject(s) is common to a major and a minor or to two different minors, the relevant Head of School will designate a replacement subject(s).

Course Program

Dean's Scholars will complete all requirements as listed for the Bachelor of Commerce degree and may be permitted to take accelerated programs after their first session.

Other Information

Additional information can be obtained by contacting commerce@uow.edu.au

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Bachelor of Commerce (Honours)

Testamur Title of Degree:	Bachelor of Commerce (Honours)
Abbreviation:	BCom (Hons)
Home Faculty:	Commerce
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	711
CRICOS Code:	001710F

Overview

An Honours degree is awarded for one additional year of study following the successful completion of a three-year degree with superior performance throughout the degree. To qualify for the award of Bachelor of Commerce (Honours) a candidate must satisfy the Honours rules under Section 8 of the General Course Rules. The Head/s of the relevant discipline and the Head of School must approve admission to this degree.

Bachelor of Commerce (Honours) is available in the following areas:

Accountancy

Economics

Finance

Human Resource Management

International Business

Management

Marketing

Supply Chain Management

(Double majors are also permitted)

Code	Subject	Credit Points
COMM401	Honours Coursework - coursework component for single major	24
COMM406	Honours Coursework - part time	12
COMM402	Honours Research – research component for single major	24
COMM407	Honours Research - part time	12
COMM403	Joint Honours Coursework - component for a double major	24
COMM408	Joint Honours Coursework - part Time	12
COMM404	Joint Honours Research - research component for double major	24
COMM409	Joint Honours Research - part time	12
COMM405	Joint Honours- Commerce component of a double major when the second major is in another Faculty. Appropriate for double degrees	24
COMM410	Joint Honours - part Time	12

Double Degrees with Bachelor of Commerce

Students may combine their Commerce studies with studies in a number of other Faculties and qualify for the award of two degrees. Double degrees aim to broaden a student's knowledge and skill base and improve career options in competitive and increasingly interactive fields. Students must seek advice and approval from both Faculties before enrolment.

For further information refer to the Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Students must seek advice and approval from both Faculties before enrolment.

Course Requirements

Candidates must satisfy the entry requirements of both the degree programs. Double degrees, where both degrees are normally of three years duration will be a minimum of 216 credit points and take a minimum of four years to complete.

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Double degrees, where one of the degrees is normally of four years duration will be a minimum of 264 credit points and take a minimum of five years to complete. Students may be given exemptions where equivalences exist between subjects.

For all double degrees, candidates are required to complete subjects from the Commerce Schedule, including core subjects and subjects to satisfy the requirements of one of the Commerce majors or a major/major, or major/minor combination. In addition to the Commerce requirements, candidates will need to complete one of the following:

Bachelor of Arts – Bachelor of Commerce:

Students must:

1. complete at least 72 credit points, including a major study, for subjects listed in the Arts schedule, and including at least 36 credit points for subjects offered by member Units of the Faculty of Arts;
2. not more than 96 credit points for 100-level subjects may be undertaken for both degrees;
3. the Arts major study and the Commerce major are to be chosen from two different disciplines.

Bachelor of Communication and Media Studies – Bachelor of Commerce

Students must:

1. complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major studies in that degree;
2. complete subjects from the Commerce Schedule, including core subjects, and subjects to satisfy the requirements of one of the Commerce majors.
3. complete not more than 90 credit points at 100-level;
4. where necessary, undertake elective subjects from the Course Structures of the Bachelor of Commerce, the Bachelor of Communication and Media Studies, or the General Schedule to ensure that at least 216 credit points have been completed.

Note: Students undertaking this double degree program may not complete both the Marketing major in the Bachelor of Commerce and the Advertising and Marketing major in the Bachelor of Communication and Media Studies.

Bachelor of Creative Arts – Bachelor of Commerce:

Students must:

1. complete a major study for the Bachelor of Creative Arts comprising 108 credit points of compulsory subjects as listed in the Creative Arts Schedule;
2. undertake, where necessary, elective subjects to ensure a total of 216 credit points have been completed.

Bachelor of Engineering – Bachelor of Commerce:

Students must complete a minimum of 264 credit points as follows:

1. a total of at least 174 credit points of engineering subjects made up of the Engineering core or compulsory subjects and one of the engineering majors. The minimum of 174 credit points will be exceeded by some engineering program requirements;
2. where required, at least 12 weeks of approved professional engineering experience during the course. Exemptions may be given to part-time candidates who are in approved full-time engineering employment.

Bachelor of Commerce - Bachelor of Laws:

Students must complete, satisfactorily and independently, each of (1), (2) and (3) as follows:

1. all compulsory Law subjects;
2. elective subjects to the value of 56 credit points from the LLB Schedule; to be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
3. subjects selected from the General Schedule, including the satisfactory completion of:

a. compulsory subjects;

b. an approved Commerce major except for a Business Law major; and

c. subjects with a value of at least 102 credit points, consisting of (a) and (b) and excluding subjects listed in (1) and (2), except, where the subjects in (a) and (b) have the prefix LAW, the equivalent LLB subjects must be substituted.

Bachelor of Science (Faculty of Science) – Bachelor of Commerce:

Students must complete 90 credit points of subjects from the Science Schedule, including a Science major study. Any extra credit points required to achieve a double degree total of 216 credit points, additional to the Commerce and Science Requirements specified above, may be selected from the Commerce, Science or General Schedule.

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Bachelor of Science (Faculty of Health and Behavioural Sciences) – Bachelor of Commerce:

Students will be required to complete subjects from the Health and Behavioural Sciences Schedule approved by the Faculty of Health and Behavioural Sciences. Any additional subjects needed to complete a minimum of 216 credit points should be selected from the Health and Behavioural Sciences Schedule, the Commerce Schedule or the Science Schedule.

Bachelor of Psychology – Bachelor of Commerce:

Students must complete a total of 264 credit points. This double degree fulfils the requirements needed to become a registered psychologist.

For the Bachelor of Psychology, students will be required to complete:

1. the 150 credit points of psychology subject requirements for the Bachelor of Psychology.
2. Any additional subjects needed to complete the required 264 credit points should be selected from either the Health and Behavioural Sciences Schedule or the Commerce Schedule.

Bachelor of Journalism – Bachelor of Commerce

Students must:

1. Complete a major study for the Bachelor of Journalism comprising 108 credit points of compulsory subjects as listed in the Journalism Schedule
2. Complete a major study for the Bachelor of Commerce comprising the compulsory core subjects and an approved Commerce major to a total value of at least 102 credit
3. Undertake where necessary elective subjects to ensure a total of 216 credit points have been completed

Bachelor of Medical Science – Bachelor of Commerce

Students must:

1. Complete a minimum of 118 credit points of Medical Science subjects as listed in the Medical Science Schedule
2. Complete a major study for the Bachelor of Commerce comprising the compulsory core subjects and an approved Commerce major to the value of at least 96 credit points
3. Undertake where necessary elective subjects to ensure a total of 216 credit points have been completed.

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SUBJECT DESCRIPTIONS

ACCY100 Accounting IA

Autumn	Loftus	On Campus
Spring	Wollongong	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Wollongong	On Campus
Autumn	Moss Vale	On Campus
Autumn	Bega	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is an introduction to the processes of accounting and financial management and is concerned with money, records of money, calculations of income and wealth; financial decision making; the information that can be provided by an accounting system as a basis for decision making and the techniques of processing such information.

ACCY102 Accounting IB

Spring	Loftus	On Campus
Spring	Wollongong	On Campus
Spring	Batemans Bay	On Campus
Spring	Bega	On Campus
Spring	Shoalhaven	On Campus
Spring	Moss Vale	On Campus

Credit Points: 6
Pre-requisites: ACCY100 Accounting IA
Co-requisites: None
Subject Description: This subject builds on the understanding of accounting developed in Accounting IA. It examines financial measures of business activities and the systems that enable those measures to be recorded and then reported and communicated to the various stakeholders of entities such as owners (including partners and shareholders), providers of credit (lenders and creditors), management as well as other interested parties.

ACCY200 Financial Accounting IIA

Autumn	Wollongong	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Moss Vale	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: ACCY101, ACCY190, or ACCY100 and ACCY102
Co-requisites: None
Exclusions: Not To Count with ACCY202 and ACCY292
Subject Description: This subject is an introduction to accounting theory and critique, and the preparation of accounting statements to comply with accounting and statutory regulation. The subject also covers reporting requirements for economic groups consisting of multiple legal entities.

ACCY201 Financial Accounting IIB

Spring	Wollongong	On Campus
Spring	Moss Vale	On Campus
Spring	Batemans Bay	On Campus
Spring	Bega	On Campus
Spring	Shoalhaven	On Campus

Credit Points: 6
Pre-requisites: ACCY202 or ACCY200
Co-requisites: None
Subject Description: This subject contains three distinct but inter-related strands to explore accounting standards, their application to companies and groups of companies in order to produce external financial reports. First, there is a technical strand of knowledge and skills used in applying accounting standards to financial reports. Secondly, there is a contextual strand, which highlights the environment in which financial reporting takes place. Thirdly, there is a theoretical strand, where deeper issues relating to accounting practice will be explored.

ACCY211 Management Accounting II

Autumn	Loftus	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Wollongong	On Campus
Autumn	Moss Vale	On Campus

Credit Points: 6
Pre-requisites: ACCY101, ACCY190 or ACCY100 and ACCY102
Co-requisites: None
Exclusions: ACCY212
Subject Description: This subject deals with the design, production and use of accounting and other quantitative information in the planning and control of organisations, including the management of the production function, decentralised organisations, derivation of cost relationships and statistical control of costs.

ACCY228 Tax Planning

Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: FIN251
Co-requisites: None
Subject Description: This subject provides an overview of the procedures and theory of planning for the optimum level of taxation for an individual at different stages in life and/or a business at different stages of development. Optimal tax planning changes are considered ranging from the intense early years where income is rising and investments are made, through to retirement where income is minimal and investments start to be realised.

ACCY231 Information Systems in Accounting

Spring	Wollongong	On Campus
Spring	Moss Vale	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Shoalhaven	On Campus

Credit Points: 6
Pre-requisites: ACCY101, ACCY190, or ACCY100 and ACCY102
Co-requisites: None
Subject Description: This subject introduces

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management information systems, including data collection and processing, internal control and internal reporting. System design and computer applications are also covered.

ACCY302 Financial Accounting III

Not on offer in 2008
Credit Points: 12
Pre-requisites: ACCY201
Co-requisites: None
Subject Description: This subject examines the advanced aspects of financial accounting and external reporting with particular reference to developments in accounting theory and professional professional standards, including the critical evaluation and comparison of various financial accounting theories.

ACCY303 Selected Issues in Accounting A

Not on offer in 2008
Credit Points: 6
Pre-requisites: ACCY201 or ACCY202 and ACCY211
Co-requisites: None
Subject Description: This subject covers selected issues in external reporting, including issues in international accounting and comparative accounting standards.

ACCY304 Social and Environmental Accounting

Autumn	Moss Vale	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Wollongong	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus

Credit Points: 6
Pre-requisites: 72 cp from BCom degree
Co-requisites: None
Subject Description: This subject provides a detailed introduction to social and environmental accounting. The issues are placed in a global context, allowing an examination of the philosophical, technical and regulatory development of social and environmental accounting. Topics will include: Accountability frameworks, corporate social and environmental responsibility, financial and management accounting responses to social and environmental issues, analysis of 'environment, health and safety' reports, social and environmental audit, and ethical investment.

ACCY305 Financial Accounting III

Autumn	Moss Vale	On Campus
Autumn	Wollongong	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus

Credit Points: 6
Pre-requisites: ACCY201
Co-requisites: None
Subject Description: This subject offers a critical evaluation of advanced aspects of financial accounting and external reporting with particular reference to developments in accounting theory, professional standards, and accounting practice including the critical evaluation and comparison of various financial accounting theories. This subject explores financial accounting in its organisational, social and political contexts.

ACCY312 Management Accounting III

Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: ACCY211
Co-requisites: None
Subject Description: This subject provides an advanced treatment of management accounting theory and its relationship to decision theory, including model building and use, cost prediction, pricing decisions, and the behavioural dimensions of management accounting.

ACCY313 Selected Issues in Accounting B

Not on offer in 2008
Credit Points: 6
Pre-requisites: ACCY201 or ACCY202 and ACCY211
Co-requisites: None
Subject Description: This subject covers selected issues in management accounting, including international management accounting.

ACCY328 International Taxation

Not on offer in 2008
Credit Points: 6
Pre-requisites: ACCY201
Co-requisites: None
Subject Description: This subject covers cross border transactions with respect to the taxes the entity may incur as they trade and how these have an impact on the pricing of products. International taxation as it applies to the individual and a company are explored as well as its impact on their income and other trading activities. This subject also takes a comparative perspective of a number of issues confronting both companies and individuals who transact across national borders. Comparisons of taxation between countries such as Australia, UAE, UK and the USA will be examined.

ACCY342 Auditing and Assurance Services

Autumn	Wollongong	On Campus
Autumn	Bega	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Moss Vale	On Campus
Autumn	Batemans Bay	On Campus

Credit Points: 6
Pre-requisites: ACCY201
Co-requisites: None
Subject Description: This subject examines the contemporary risk and assurance approach to auditing, the collection and evaluation of audit evidence and the audit reporting process. The subject also develops an understanding of the legal environment in which the auditor works and focuses on the requirements of financial statement audit under the Corporations Law. In addition to this, the program introduces the use of computer assisted audit techniques and considers issues related to computer information systems audit.

ACCY343 Forensic Examination and Advanced Assurance Services

Spring	Wollongong	On Campus

Credit Points: 6

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Pre-requisites: ACCY201, FIN221 and LAW210
Co-requisites: ACCY342
Subject Description: This subject provides an introduction to forensic examination and advanced assurance services for commercial and not-for-profit entities. The subject content will deal with the nature and extent of fraud in Australia, detection of fraud, error or organisational weakness through an examination of financial and non-financial data, as well as introductory laws of evidence and expert witness report preparation. Students will be introduced to the nature of forensics and its role in the regulatory framework as well as within the legal and ethical framework of corporate governance.

ACCY368 Insolvencies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY200 or ACCY202
Co-requisites: None
Subject Description: This subject examines the accounting and legal aspects of corporate and non-corporate insolvencies including liquidations & receiverships, alteration of capital, reconstruction, amalgamation and takeovers, and the use of insolvency procedures as a management strategy.

ACCY380 Accounting for Information Technology

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: IACT301, ITAC301
Co-requisites: None
Exclusions: ACCY901, ACCY101, ACCY190 or ACCY100 and ACCY102
Subject Description: This subject is an introduction to accounting with special emphasis on the design, interpretation and utilisation of the major types of reports and analyses prepared by accountants for the decision making process.

ACCY403 Theoretical Foundations of Accounting

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject critically analyses the nature of theory, research and theory formation. It includes a study of the methods used in theory formation and attempts to formulate theories of accounting.

ACCY404 Financial Accounting

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ITAC301
Co-requisites: None
Subject Description: This subject covers an in-depth study of the basis of external financial reporting, including asset valuation and periodic profit measurement. The subject also includes a study of the elements of financial accounting and their communication in accounting reports.

ACCY407 Empirical Research Methods

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject provides an overview of the ways accounting and finance researchers identify, formulate and investigate empirical questions in accounting and finance. Subjects include the criteria adopted to select research projects, issues of experimental design, validity threats, measurement problems and statistical analysis. Selected published accounting and finance research will be used to illustrate established methods of empirical research.

ACCY413 Management Accounting

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject deals with the conceptual basis of management accounting and information systems including an examination of traditional and alternative theories and approaches shaping organisational and behavioural aspects of management accounting. Topics covered include the contingency approach, the agency approach, control system theories, activity based accounting and critical accounting approaches.

ACCY414 Management Planning and Control Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject presents an in-depth analysis of selected aspects of the design and evaluation of management accounting, planning and control systems in both the private and public sectors.

ACCY418 Applied Management Accounting

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers an in-depth applied analysis of selected topics in management accounting. Topics may include decision theory and analysis, financial model building, cost prediction and control techniques, pricing, management accounting systems design, as well as the interrelationships between management and the management accounting system. Theoretical concepts developed in other management accounting subjects will also be expanded as needed to support the complex applications being studied.

ACCY436 Management and Information Systems

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject deals with the effective use and control of information systems,

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particularly computer-based information systems, and the likely impact of developments in this area on management functions and how managers carry out those functions.

ACCY444 Issues in Auditing

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an in-depth examination of contemporary topics in auditing with emphasis on controversial and theoretical issues, including social and ethical issues, the role of quantitative techniques in the audit function, the continuous auditing concept, uncertainty reporting, audit performance evaluation, as well as the extension of attest function and public sector auditing.

ACCY468 Insolvencies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject deals with accounting and legal aspects of corporate and non-corporate insolvencies including bankruptcies, liquidations, receivership, alteration of capital, reconstruction, amalgamation and takeovers.

ACCY474 Accounting Regulation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject presents an in-depth study of the regulation of accounting practice and procedures, the accounting profession and measurement and disclosure in external financial reporting. This could include an examination of the consequences of regulation, alternative institutional arrangement for setting standards, the impact of accounting theory on standard setting, and a historical review of accounting regulation.

ACCY485 Special Topic in Accounting-A

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is a special topic to be selected from any area of financial accounting, management accounting, business finance, information systems or government accounting. The selection would be made by the Associate Head of School, taking into account the expertise of academic staff, including visiting staff, and the interest of students.

ACCY486 Special Topic in Accounting-B

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is a special topic to be selected from any area of financial accounting, management accounting, business finance, information systems or government accounting. The selection would be made by the Associate Head of School, taking into account the expertise of academic staff, including visiting staff, and the interest of students.

ACCY493 Research Essay

Not on offer in 2008
Credit Points: 12
Pre-requisites: ITAC301
Co-requisites: None
Subject Description: This subject is an individual program determined in consultation with the Associate Head of School

ACCY495 Research Essay

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is an individual program determined in consultation with the Associate Head of School.

COMM110 Introduction to Business Information Systems

Autumn	Wollongong	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Moss Vale	On Campus
Autumn	Loftus	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with CSCI101 or BUSS110
Subject Description: This subject examines the roles of information systems in a modern organisation. Topics covered include: information systems and their role in modern organisations; functions and purposes of various information systems and their components; system design and development process; information systems administration and management; social implications of information systems, hands-on experience in the use of productivity software. The practical component includes using the internet, word processing, spreadsheets and database systems.

COMM121 Quantitative Methods I

Spring	Loftus	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: An introduction to quantitative techniques and their application to business economics. Emphasis will be on statistics and topics will include descriptive statistics, probability, sampling, confidence intervals and hypothesis testing, elementary correlation and regression analysis and the use of computer programs for estimation and analysis.

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COMM290 Applied Learning

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 48 Credit Points of Commerce Subjects and approval by the Head of School
Co-requisites: None
Subject Description: This subject will enable Commerce students to earn 6 credit points for participation in one of a variety of workplace learning programs offered by the University, or by an outside organisation/professional association. The program may be a Team based business skills competition or an individual placement which is coordinated via an external agency or that the student organises themselves. Students must satisfy all requirements of their placement or business skills program, and prepare reports as specified by the co-ordinating body. It is the responsibility of the student to find a workplace learning program and present the proposal to the relevant Head of School or delegated staff member for approval. Approval will only be given providing a suitable supervisor within the relevant School is available.

COMM303 Development of Modern Business

Spring Shoalhaven On Campus
Spring Batemans Bay On Campus
Spring Bega On Campus
Spring Loftus On Campus
Spring Wollongong On Campus
Spring Moss Vale On Campus
Credit Points: 6
Pre-requisites: 72 credit points including all Commerce core subjects
Co-requisites: None
Subject Description: The subject traces the evolution of modern business enterprises, particularly in the twentieth century. Emphasis is placed on a comparison of the dynamics of capitalist corporate development in Australia, the United States, Japan and the United Kingdom. Major topics include the effects of external institutional and technological environments on corporate change; changing forms of firm organisation; the role of corporations in an evolving international economy; developing corporate strategy; inter-organisational relationships; and the role of corporations in modern society.

COMM327 Business Innovation, Technology, and Policy

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Any 72 credit points of subjects
Co-requisites: None
Exclusions: Not to count with ECON227 and ECON229
Subject Description: This integrating subject provides conceptual frameworks in which to think systematically about business innovation, technology and related policy issues. The purpose is to gain a better understanding of the role of innovation-related issues in the context of a creative society such as the mechanics of a creative economy, collateral effects of innovative activities, commercialization of innovations, the importance of price competition and competition through innovation, technological competition, the difference between ideas and human capital, the use of innovation-based classifications of economic sectors, the importance of innovation policies, etc. The subject incorporates elements from a variety of disciplines, including economics, management, marketing and law.

COMM328 Contemporary issues in Commerce

Not on offer in 2008
Credit Points: 6
Pre-requisites: 72 cp including all Commerce core subjects and approval by the Faculty of Commerce
Co-requisites: None
Subject Description: The aim of this integrating subject is to look at a contemporary issue in the business world from a multi-disciplinary perspective. The specific issue explored may vary from year to year. The subject encourages students who have majored in a variety of majors to analyse an issue of relevance to the modern business environment.

COMM351 Business Ethics and Governance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 72 cp
Co-requisites: None
Subject Description: An examination of the central issues in business ethics, covering topics such as the concept of social responsibility, individual and corporate values, models for making ethical decisions, ethics for the employee, the customer, the environment, the community, the government and the multinational context. Class consists primarily of student-centred discussion and experiential activities. Semester is arranged to take students through a reflective, unlearning process.

COMM399 Independent Study

Not on offer in 2008
Credit Points: 6
Pre-requisites: Students must have completed 48 credit points
Co-requisites: None
Subject Description: This subject will allow students to carry out study in a practical or applied manner into a selected issue in business. This may include, but is not limited to an individual case study, business project, industry or corporate analysis. Students will have the opportunity to look at a contemporary practical issue in a business environment. The specific issues explored will vary from year to year and discipline to discipline. This subject will encourage students to undertake study and analyse on issues of relevance to a business environment. The subject will need to be successfully completed by students undertaking an undergraduate degree offered by the Faculty of Commerce in Dubai. This subject will only be delivered at the Dubai Campus.

COMM401 Honours Coursework

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject will enable all students doing honours in a single discipline in the Faculty

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of Commerce to enrol in the same subject. The advanced topics the student studies will depend on their discipline. Students enrolled in this subject will also do COMM402.

COMM402 Honours Research

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject is appropriate for students doing honours in a single discipline in the Faculty of Commerce to enrol in the same subject. The research topic must be approved by the relevant Head of School. Students enrolled in this subject will also do COMM401.

COMM403 Joint Honours Coursework

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject will enable all students doing honours in two disciplines in the Faculty of Commerce to enrol in the same subject. The advanced topics the student studies will depend on their disciplines. Students enrolled in this subject will also do COMM404.

COMM404 Joint Honours Research

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject is appropriate for students doing honours in two disciplines in the Faculty of Commerce eg (Finance and Management) to enrol in the same subject. The research topic must be approved by the relevant Head of School. Students enrolled in this subject will also do COMM403.

COMM405 Joint Honours

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject is appropriate for students doing honours in two disciplines, one of which is outside the Faculty of Commerce. The advanced topics the student will study will depend on their disciplines. Students enrolled in this subject will also enrol in other honours subjects totalling 24 credit points outside the Faculty of Commerce. The thesis will be on a topic relevant to the two disciplines and represent 50% of the honours year.

COMM406 Honours Coursework Part Time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject will enable all students doing part time honours in a single discipline in the Faculty of Commerce to enrol in the same subject. The advanced topics the student studies will depend on their discipline. Students enrolled in this subject will also do COMM407 Honours Thesis Part Time.

COMM407 Honours Research Part Time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject is appropriate for students doing part time honours in a single discipline in the Faculty of Commerce to enrol in the same subject. The research topic must be approved by the relevant Head of School. Students enrolled in this subject will also do COMM406 Honours Coursework Part Time.

COMM408 Joint Honours Coursework Part Time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject will enable all students doing part time honours in two disciplines in the Faculty of Commerce to enrol in the same subject. The advanced topics the student studies will depend on their disciplines. Students enrolled in this subject will also do COMM409 Joint Honours Research Part Time.

COMM409 Joint Honours Research Part Time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject is appropriate for students doing part time honours in two disciplines in the Faculty of Commerce eg (Finance and Management) to enrol in the same subject. The research topic must be approved by the relevant Head of School. Students enrolled in this subject will also do COMM408 Joint Honours Coursework Part Time.

COMM410 Joint Honours Part Time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Entry to Honours
Co-requisites: None
Subject Description: The subject is appropriate for students doing part time honours in two disciplines, one of which is outside the Faculty of Commerce. The advanced topics the student will study will depend on their disciplines. Students enrolled in this subject will also enrol in other honours subjects totalling 24 credit points outside the Faculty of Commerce. The thesis will be on a topic relevant to the two disciplines and represent 50% of the honours year.

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ECON101 Macroeconomic Essentials for Business

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Moss Vale	On Campus
Autumn	Loftus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject analyses relevant macroeconomic concepts and principles in an integrated macroeconomic environment. Simple macroeconomic models will be developed to characterise the interdependencies of the more important components parts of a macro economy. This will allow students to analyse some real world problems and to start identifying and formulating appropriate macroeconomic policies.

ECON111 Introductory Microeconomics

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus
Spring	Loftus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: An introduction to microeconomics and its application to contemporary social and economic problems. Elementary economic theory and the necessary institutional framework will be developed.

ECON205 Macroeconomic Theory and Policy

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: ECON101
Co-requisites: None
Subject Description: This subject analyses the major factors which determine economic behaviour in the aggregate and evaluate how alternative macroeconomic policies may improve economic performance. In doing so the course examines the major determinants of aggregate demand equilibrium, namely consumption and investment demands, international factors, money and interest. Monetary and fiscal policies are examined using this analytic structure to determine the effectiveness of these policies for an open economy. Aggregate supply equilibrium is then analysed in terms of wages, prices and employment. The problems of inflation and employment are also considered along with possible wages policies. If time permits, longer term growth explanations of economic behaviour and associated policy prescriptions are briefly reviewed.

ECON208 Gender, Work and the Family

Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject analyses the roles women and men play in the workforce and within the family. Topics will include: analysis of factors affecting recent trends in female and male labour force participation; gender differences in occupational patterns and earnings; the economics of discrimination; the role of the family in providing education, health care and other goods and services for its members; and the economic determinants of marriage and fertility.

ECON215 Microeconomic Theory and Policy

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: ECON111
Co-requisites: None
Subject Description: This subject provides the theoretical foundation of modern microeconomic analysis by building upon the basic concepts covered in introductory microeconomics. Topics include the free market system and its operation under market regulation, and the imposition of excise taxes and subsidies. The theory of consumer behaviour is developed and applied to household choice problems, the index number problem, methods of taxation, and intertemporal choice. The theory of production and its costs is discussed, and used to develop models of optimal choice by producers in the long run and short run, including optimal output expansion, optimal input substitution, responses to technological change, and economies and diseconomies of scale. Models of market organization are studied with emphasis on monopoly power, oligopoly (including models of Nash, Cournot, Bertrand, and Stackelburg equilibria) and monopolistic competition. Welfare effects of market behaviour and regulation are analysed. Game theory is introduced and applied to simple problems of strategic choice in duopoly markets. The nature and consequences of asymmetric information are studied (including adverse selection, moral hazard, the principal agent problem, and signalling).

ECON216 International Trade Theory & Policy

Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: ECON111
Co-requisites: None
Subject Description: This subject is designed to provide an introduction to international trade theory and international trade policy. It will examine the theory, policies, practices and institutions of relevance to a country's trade with other nations. The following broad questions will be addressed: Why do nations trade with each other? What are the gains and losses from free trade to the nations involved? What determines the pattern of international trade and production? What are the effects of various commercial policies on the nations involved and on the welfare of various groups within those nations? How does the foreign exchange market work and in what ways does it facilitate or impede international trade? What are the possible effects of exchange-rate policies on a country's production, employment and price level? How is a country's trade performance linked to its external debt and economic growth? How can trade affect the local and global environment?

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ECON219 Economic Essentials for Business Innovation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON101
Co-requisites: None
Subject Description: The subject is designed to impart an understanding of business innovation from an economic perspective. To this end, the subject provides a non-mathematical explanation of the nomenclature, principles and conceptual frameworks useful in the real world of innovation. Major topics include: an overview of economics with particular regard to the role of innovation in the context of the invisible hand vision; market failure and government failure; a description of the Neoclassical, Schumpeterian and evolutionary approaches.

ECON221 Econometrics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON121 or COMM121 or STAT131 or STAT231
Co-requisites: None
Subject Description: This subject is designed so that students learn basic econometric methods and use data to solve real-world problems by estimating economic parameters (such as elasticities, marginal values etc). Students acquire expertise in applying econometric methods, including regression analysis and its extensions, to various types of data. Students also, learn how to use econometrics to test economic theory, analyse economic behaviour and assist in policy formation. The subject is application orientated and practical work is performed using Windows-based statistical software.

ECON222 Quantitative Methods II

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an introduction to mathematical techniques useful in business and economics. The main topics include marginal values, average values, elasticities, constrained and unconstrained optimisation, game theory, and the mathematics of finance. The mathematical techniques will be systematically presented and clearly illustrated in representative business and economic models.

ECON230 Quantitative Analysis For Decision Making

Spring Bega On Campus
Spring Wollongong On Campus
Spring Shoalhaven On Campus
Spring Moss Vale On Campus
Spring Batemans Bay On Campus
Spring Loftus On Campus
Credit Points: 6
Pre-requisites: ECON121 or COMM121 or STAT131 or STAT231
Co-requisites: None
Subject Description: This subject details the role of quantitative analysis in the decision-making process. Problem-solving techniques will be studied with emphasis on their practical application. Topics may include: linear programming; integer programming; goal programming; network analysis; systems simulation; decision theory; and inventory and queuing models.

ECON231 Business Statistics and Forecasting

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECON121 or COMM121 or STAT131 or STAT231
Co-requisites: None
Subject Description: This subject introduces students to the applications of multi-variate statistical analysis to problems in business and economics. These techniques will include multiple regression, discriminant analysis, factor analysis and cluster analysis. The subject also deals with the application of forecasting techniques, including smoothing methods, time series decomposition, and the Box Jenkins approach to problems. The emphasis will be on the use of various relevant computer packages.

ECON240 Financial Modelling

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: COMM121 or STAT131 or STAT151 or STAT252 or MATH141
Co-requisites: None
Exclusions: ECON231 and ECON221
Subject Description: This subject deals with the application of statistical techniques to financial decision-making. Students will use econometric methods and data to solve real-world problems by estimating and interpreting financial and business relationships. The subject covers a brief introduction to the mathematics of finance, regression analysis, hypothesis testing and the assumptions underpinning the classical regression model. It then provides a thorough treatment of model diagnostics, univariate time series modelling and forecasting, as well as applied multivariate cointegration techniques and the estimation of financial market volatility.

ECON251 Industry and Trade in East Asia

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject studies the neo-classical, structuralist and culturalists views on industrialisation in Asia using country specific examples. It examines trade and industry policy, investment flows, economic integration and the international monetary system. The causes of Asian growth and meltdown are analysed. The strategies to overcome the main economic problems and the recent developments in the Asia-Pacific region are emphasised.

ECON301 Monetary Economics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON101
Co-requisites: None
Subject Description: This subject focuses on the monetary aspects of the macro-economy. It comprises two parts. The first focuses on a comparison of the monetary transmission mechanism and policy

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implications arising from the Classical, Keynesian, Monetarist and New Classical theories. The second section analyses the money supply and its control, the conduct of monetary policy, money in the open economy, inflation, and the Australian financial system.

ECON302 Transition Economics

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECON101 and ECON111
Co-requisites: None
Subject Description: Emphasis will be placed upon transition issues arising for: the formerly centrally planned economies of Europe and Asia as they have moved towards market oriented economies; developed market economies in Europe as existing and prospective members of the European Union move towards a more advanced stage of trade, investment, and financial integration; developing market economies in East Asia as they attempt to achieve a higher level of economic development.

ECON303 Economic Development Issues

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Both ECON101 and ECON111 or any 72 credit points of subjects
Co-requisites: None
Subject Description: Nation states have attempted to accelerate the rate and influence the pattern of economic growth and development with mixed results. Consequences of economic development have been enormous. Economic Development issues addressed are: the relationship between economic growth and development; the role of the market and the state; savings, investments and technical change; infrastructure and public goods; as well as the role of agriculture, industrialisation, international trade and economic co-operation, and population and human resource development.

ECON304 The Historical Foundations of the Modern Australian Economy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 72 credit points of study including ECON101 and ECON111
Co-requisites: None
Subject Description: This subject focuses on the development of the Australian economy over the last century and a half from both a domestic and international comparative perspective. It seeks to enhance our knowledge about, and understanding of, the modern Australian economy and its international standing by reference to a longer term process of development stretching back close to early British settlement. Following an overview of Australian experience, the subject will be presented thematically drawing upon key microeconomic and macroeconomic questions. Principal topics will include: growth trajectories and economic fluctuations; structural change and development; capital markets and financial institutions; population and immigration; human capital and labour supply; living standards and welfare; manufacturing and international business; market power; the development of a corporate economy; economic policy especially tariffs and competition; economic debates; regional engagement in Asia and globalisation. There will be an opportunity to analyse and discuss original historical documents and to write a research essay.

ECON305 Economic Policy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON205 and ECON215
Co-requisites: None
Exclusions: Not to count with ECON207
Subject Description: This subject introduces students to some of the important macroeconomic and microeconomic policy issues facing governments in Australia and overseas. Government policy makers face questions such as how to best stimulate economic growth, how to best respond to various forms of market failure and how to best promote a competitive national economic environment. This subject introduces students to some of these issues in details and sets out some of the current economic thinking with regard to these questions. Students will be required to analyse applied research from the economics literature and draw on material from related areas such as political science.

ECON307 International Monetary Economics

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECON101
Co-requisites: None
Subject Description: This subject is a study of monetary aspects of international economics. It comprises two parts. In the first we examine theoretical approaches to the balance of payment and exchange-rate determination. In the second, the subject analyses selected issues in international monetary economics of topical interest.

ECON308 Labour Economics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON111
Co-requisites: None
Subject Description: This subject studies labour supply, labour demand and wage rate determination in a market-orientated economy. The emphasis is on the development and application of economic theory rather than on an institutional approach. Several areas of application are drawn from the following list and analysed in some detail: the effects of welfare programs on labour-market participation and hours of work, the effects of imposing a minimum wage in both competitive and non-competitive labour markets, the theory of human capital and its use in explaining observed earnings differentials, an explanation for occupational wage differentials, discrimination in the labour market, the rationale for labour unions, the economic impact of labour unions, causes of unemployment. Examples relate mostly to the Australian and US labour markets but some comparisons are drawn with labour markets in other countries.

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ECON309 Environmental Economics

Spring Moss Vale On Campus
Spring Batemans Bay On Campus
Spring Wollongong On Campus
Spring Bega On Campus
Spring Loftus On Campus
Spring Shoalhaven On Campus

Credit Points: 6
Pre-requisites: ECON111
Co-requisites: None
Subject Description: This subject will provide a comprehensive analysis of environmental issues using both the traditional theory of economic externalities and the newer analysis of ecologically sustainable development. Both approaches will be used to explain the economic aspects of and evaluate environmental policy in Australia and developing countries.

ECON310 Cost Benefit Analysis

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECON215
Co-requisites: None
Subject Description: This subject investigates the theoretical foundations and practical techniques of social cost benefit analysis (CBA). Topics include: the name and scope of CBA, the welfare foundations of CBA including Pareto optimality and social welfare functions, identification of costs and benefits, methods of valuation of costs and benefits in market and non-market situations, the theory and use of shadow prices, CBA decision criteria, time preference and the social discount rate, and CBA sensitivity methods. The limitations of CBA methods and ethical considerations are discussed. Students will develop and practice appropriate spreadsheet skills that facilitate the economic evaluation of complex projects in situations where benefits and costs occur over extended periods of time.

ECON311 Natural Resource Economics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON111
Co-requisites: None
Subject Description: The main objective of the subject is to develop skills in the economic analysis of natural resource problems. The subject consists of two broad sections, namely: the generalisation of theoretical frameworks for the utilisation of natural resources; and the application of these theoretical frameworks to the management of specific natural resources and to the formulation of appropriate policies. The topics covered include: optimisation frameworks for renewable and non-renewable resources; models for optimal resource use over time; energy resources; mineral resources; water resources; forestry resources; natural environments; and issues concerning pollution.

ECON312 Industrial Economics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON111
Co-requisites: None
Subject Description: This subject provides the theoretical basis for analysis of firm structure, conduct and performance. It particularly focuses on issues related to the implementation of competitive policy from both a national and international perspective.

ECON315 Applied Microeconomics

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECON111
Co-requisites: None
Subject Description: Microeconomics applied to a variety of topics and social problems. The areas of application studied vary from year to year but include such topics as the economics of health care, education, working women, migration, the arts and crime.

ECON316 History of Economic Thought

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON205 and ECON215
Co-requisites: None
Subject Description: This subject provides a review of the evaluation of economic ideas through the development of differing schools of thought in economics. The subject focuses on issues which provide a basis for discussion of the criticism and alternatives suggested by the classical, neoclassical, behavioural, Austrian, modern institutionalists and post Keynesian schools.

ECON317 Economics of Health Care

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject surveys economic aspects of the Australian health-care system. Topics covered will include the supply and demand for health services, health-care delivery systems, health insurance, program evaluation and medical decision-making. Government policies influencing all aspects of health care will be analysed and evaluated.

ECON318 Economics of Health Care - A

Autumn Shoalhaven On Campus
Autumn Bega On Campus
Autumn Batemans Bay On Campus
Autumn Loftus On Campus
Autumn Wollongong On Campus
Autumn Moss Vale On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject surveys economic aspects of the Australian health-care system. Topics covered will include the supply and demand for health services, health-care delivery systems, health insurance, program evaluation and medical decision-making. Government policies influencing all aspects of health care will be analysed and evaluated.

ECON319 Electronic Commerce and the Economics of Information

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject analyses the impact

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of electronic commerce on the markets for consumer goods and services and factors of production. Reasons for the dramatic increase in the use of electronic commerce and its effects on consumers, business firms and the wider community will be explored. Special attention will be given to the implications for small and medium-sized firms and the impact of electronic commerce on the globalisation of markets. The subject analyses electronic commerce in the context of the economics of information, technology and transaction costs and investigates the role and value of information in decision making.

ECON320 Economics of Small and Medium Enterprises

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON111
Co-requisites: None
Subject Description: The subject analyses the impact of entrepreneurs/small medium-sized enterprises (SMEs) on important areas of the economy such as innovation, employment creation, trade and investment. The formulation of appropriate public policies with respect to SMEs will also be examined. Recent developments in the economic theory of business enterprises, backed up by case studies of individual firms, industries and countries, will form the basis of the subject. Topics covered will represent a blend of the theory and practice of small business and enterprise development, and will include examining the links between firm size and performance, the distinct roles of different sized firms, and the relationship between firm size and innovation.

ECON322 Mathematical Economics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON122 or ECON222
Co-requisites: None
Subject Description: This subject is a study of mathematical aspects of microeconomics and macroeconomics. The topics include consumer demand theory, compensated demand functions, production theory, cost functions, market demand and supply functions, models or market structure and macroeconomics of open economy. Mathematical techniques include linear algebra, optimisation, differential and integral calculus. Particular attention will be given to economic policy analysis using mathematical models.

ECON327 Advanced Econometrics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON221 or ECON231 or MARK239
Co-requisites: None
Subject Description: The subject consists of two parts. The first part focuses on the basic concepts in understanding and modelling the behaviour of time-series data (time-series analysis) in economics or related fields and the major linear time-series models usually used. The second part deals with the foundation and applications for more realistic or policy-oriented situations using the method of many-sector econometric models (1) using these data, and (2) consisting of sets of many regression equations, or (3) consisting of sets of many jointly dependent or simultaneous equations.

ECON331 Financial Economics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON111 and either ECON121 or COMM121
Co-requisites: None
Subject Description: This subject deals with investment in production capacity, portfolio analysis , debt accumulation, insolvency and liquidation. Optimal control methods are used for analysing the efficient trajectories of capital investment and borrowing. Portfolio choice and producers' choices of activity sets are analysed within a mean-variance expected utility maximisation framework incorporating the concepts of risk aversion, costs of risk bearing and diversification.

ECON332 Managerial Economics and Operations Research

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECON121 or COMM121
Co-requisites: None
Subject Description: This subject develops and applies a variety of quantitative techniques to economic and managerial decision-making. It is an extension of ECON 228/230 and covers a wide range of quantitative analyses such as forecasting techniques, Markov process models, PERT, CPM and specialised network algorithms, risk preference analysis, transportation and assignment models and quadratic and nonlinear programming.

ECON333 Conflict and Co-Operation

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECON122 or ECON222
Co-requisites: None
Subject Description: The subject will introduce students to the study of game theory as a tool for analysing a wide range of situations, particularly in the social sciences. The subject will focus on the application of basic game-theoretic concepts to analyse these situations, and will cover both non-cooperative and cooperative games. The latter will include the examination of issues in communitarian economics (such as the economics of organisations like the WTO, the IMF, World Bank, and other NGOs). Students will participate in simple game-playing exercises designed to reinforce and further their understanding of the concepts.

ECON334 Global Economics

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECON101 and ECON111
Co-requisites: None
Subject Description: This subject introduces students to major contemporary global economic issues such as global economic growth and per-capita income: the external debt crisis: integrated international capital-markets; European monetary unification and its potential; free-trade negotiations and the formation of free-trade zones; the transition of centrally planned economies to market economies; and the economic implications of global environmental and resource degradation and the need for international co-ordination and co-operation.

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ECON341 Special Topics in Economics-A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Topics for this subject may be drawn from any area of economics which the Head of School considers to be suitable preparation for an undergraduate degree and appropriate to the special interests of students.

ECON342 Special Topics in Economics-B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Topics for this subject may be drawn from any area of economics which the Head of School considers to be suitable preparation for an undergraduate degree and appropriate to the special interests of students.

ECON421 Honours Economics

Not on offer in 2008
Credit Points: 48
Pre-requisites: None
Co-requisites: None
Subject Description: The coursework comprises: advanced macroeconomic theory; advanced micro-economic theory; and the history of economic thought and methodology. The thesis must be a piece of original research and is evaluated by internal and external examiners.

ECON423 Honours Econometrics

Not on offer in 2008
Credit Points: 48
Pre-requisites: ECON221 ECON327
Co-requisites: None
Subject Description: The course work comprises: advanced macroeconomic theory; advanced micro-economic theory; methodology; and econometric theory. The thesis must be a piece of original research on theoretical or applied econometrics and is evaluated by internal and external examiners.

ECON451 Joint Honours Economics

Not on offer in 2008
Credit Points: 24
Pre-requisites: ECON221 ECON327
Co-requisites: None
Subject Description: The course work consists of components chosen by the Head of the Economics Department from those required of students in ECON421 Honours Economics to the value of 24 credit points. The other 24 credit points in another discipline must be in 400-level subjects approved by the relevant Head of Department.

FIN 221 Introductory Business Finance

Spring Wollongong On Campus
Autumn Moss Vale On Campus
Autumn Wollongong On Campus
Autumn Shoalhaven On Campus
Autumn Bega On Campus
Autumn Batemans Bay On Campus
Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: ACCY102 and ECON111
Co-requisites: None
Exclusions: Not to count with ACCY221 and ACCY241 or FIN241
Subject Description: This subject provides an introduction to business finance. It includes a critical examination of the theory and practice of corporate financial management, including the capital structure decision, the capital acquisition/ disbursement decision, and the investment decision for both current and long term assets. The main focus is on financial decision making, with consideration of risk and returns a fundamental consideration.

FIN 223 Investment Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY221 or FIN221 or FIN251 or FIN241
Co-requisites: None
Exclusions: Not to count with ACCY223
Subject Description: This subject deals with security analysis and portfolio management. The subject is both descriptive, dealing with a range of securities and the market they operate in, and theoretical, considering theories of the market and the equilibrium prices of securities. Topics covered include portfolio theory and the capital asset pricing model, portfolio management, company, industry and market analysis, investment strategies and the evaluation of portfolio performance.

FIN 226 Financial Markets & Institutions

Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring Shoalhaven On Campus
Spring Batemans Bay On Campus
Spring Bega On Campus
Spring Moss Vale On Campus
Spring Loftus On Campus
Credit Points: 6
Pre-requisites: ACCY102 and ECON111
Co-requisites: None
Exclusions: Not to count with ACCY226
Subject Description: This subject examines the history and development of financial institutions and financial markets in Australia and elsewhere. Topics covered include: the role of the financial system; functions of financial markets; money markets and capital markets; the banking and payments system; financial systems regulation; the operations of the stock exchange; corporate and government debt markets; the euromarket; and, derivative markets.

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FIN 241 International Financial Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY102 and ECON111
Co-requisites: None
Exclusions: Not to count with ACCY241 and ACCY221 or FIN221
Subject Description: This subject introduces students to the use of financial tools in an international context. The subject covers the basic techniques of finance and these are then related to international financial markets, institutions and practice. Students learn to evaluate the relationship between risk and expected return from international investments and develop an understanding of short and long-term international debt and equity capital markets.

FIN 251 Introduction to Financial Planning

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY102 and ECON111
Co-requisites: None
Subject Description: This subject introduces students to the role of the financial planner. The material covered includes an overview of the financial products available to clients, methods to assess client needs and risk profiles. Financial planning in Australia is subject to particular codes of conduct. These industry standards and the regulatory environment that governs the operation of such advisory services are also presented.

FIN 320 Risk and Insurance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points in finance subjects
Co-requisites: None
Exclusions: Not to count with ACCY327
Subject Description: This subject deals with the concepts and technical analysis of risk, risk attitudes and insurance. The focus is on providing protection against the portfolio, financial and corporate risks that are common to any number of basic and advanced investment decisions. Topics covered include risk insurance in relation to the share portfolio, hedging against currency exchange rate movements and protection for the loan portfolio from interest rate movements.

FIN 322 Advanced Business Finance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points in finance subjects
Co-requisites: None
Exclusions: Not to count with ACCY322
Subject Description: This subject examines advanced aspects of the financial management of corporate resources with an emphasis on issues in financial planning and strategy. Topics include firm governance and the role of shareholders and stakeholders, the management of corporate debt and equity, mergers and acquisitions, financial distress and restructuring, and financial architecture and strategies. Special attention is given to the increasing complexity of the business environment and departure from the assumptions of an ideal capital markets.

FIN 323 Portfolio Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY223 or FIN223
Co-requisites: None
Exclusions: Not to count with ACCY323
Subject Description: This subject undertakes the advanced analysis of investment theory with an emphasis on the integration of derivative use and strategies with other portfolio management skills. Individual topics include, binomial decision theory, trading strategies using complex derivative structures, interest rate futures and swaps, the 'Greeks', futures options, value at risk, credit derivatives, and weather, energy, and insurance derivatives.

FIN 324 Financial Statement Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points in Finance subjects and ACCY200 Financial Accounting IIA
Co-requisites: None
Exclusions: Not to count with ACCY324
Subject Description: This subject introduces the language, concepts and principles of corporate financial information analysis, and critically evaluates financial statements as data sources for business analysis and valuation. A four step business evaluation framework guides extraction of decision useful information from publicly available accounting information sources within the context of business strategies. Analytical principles and techniques are applied to four commonly met areas of business decisions about corporate financial performance and evaluation.

FIN 325 Bank Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points in Finance subjects
Co-requisites: None
Exclusions: Not to count with ACCY325
Subject Description: This subject examines and deals with information on the bank management practices and operation of banks. The subject involves in depth discussions and analysis of bank management issues such as bank lending, banking interest rate models, off-balance sheet activities, operating costs & technology, foreign exchange, sovereign, liability & liquidity risks management and capital adequacy within both the Australian and international banking framework.

FIN 327 Entrepreneurial Finance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points in Finance subjects
Co-requisites: None
Exclusions: Not to count with ACCY227 or FIN227
Subject Description: This subject deals with financial management in small and medium organisations from a largely practical perspective by applying adapted versions of traditional financial analysis to small business enterprises. The subject takes a life-cycle approach moving through the stages of starting, building and finally harvesting a successful business. Issues addressed in this subject include valuation, performance measurement, obtaining and organising finance, financial planning, and cost of financial capital and exit strategies.

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FIN 328 Retirement and Estate Planning

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: FIN251
Co-requisites: None
Exclusions: Not to count with ACCY328
Subject Description: This subject provides an overview of the procedures and theory of retirement and estate planning. It discusses the goals and objectives of retirement planning with a view to maximisation of the benefits accruing to the retiree. The subject matter also includes a comprehensive overview of superannuation and the implications of the various superannuation strategies.

FIN 329 Advanced Financial Planning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: FIN251
Co-requisites: None
Exclusions: Not to count with ACCY329
Subject Description: This subject is a final subject in the financial planning major and brings together prior learning in the degree course. The preparation of a detailed statement of advise (SOA) incorporating all advanced aspects of financial advice covering strategies for wealth accumulation, retirement planning, estate planning, taxation consequences, risk considerations will be covered in the subject. The material covered includes a detailed analysis of the financial products available to clients in addition to detailed analysis of client needs and risk profiles and development of specific investment portfolios. The subject will also cover codes of conduct in the industry and present industry standards in addition to the regulatory environment that governs the provision of advisory services in Australia.

FIN 351 International Finance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points in Finance subjects
Co-requisites: None
Exclusions: Not to count with ACCY351
Subject Description: This subject analyses financial markets in the international sphere, concentrating on the Australasian region. It explores the concepts and relationships linking international financial markets within the region and the operation of Australian firms in those markets. It covers such issues as the de-regulation of Australian banking and the Eurofinance market, the pricing of foreign exchange, the international financing decision, foreign exchange and interest rate risk management.

FIN 359 Selected Issues in Finance

Not on offer in 2008
Credit Points: 6
Pre-requisites: ACCY221 or FIN221
Co-requisites: None
Exclusions: Not to count with ACCY359
Subject Description: This subject examines selected topics in the area of finance. Subjects examined are topical issues and problem areas in the discipline and naturally change from year to year.

FIN 422 Advanced Investment Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY422
Subject Description: This subject is about the tools and logical frameworks with which decision makers choose their investments in a world characterised by uncertainty (risk). Emphasis is on investment in financial assets such as shares, bonds and futures rather than on real assets. Particular subjects covered include portfolio choice, allocations of investments between risky and riskless assets, the term structure of interest rates, asset pricing models, options pricing and hedging with derivatives.

FIN 423 Advanced Portfolio Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY423
Subject Description: This subject examines advanced topics in the modern theory of optimal investment decision-making, portfolio theory, capital and derivative markets. Topics examined include market efficiency models in valuing portfolios and securities, bond analysis, portfolio management and performance evaluation. The subject also provides a theoretical framework within which all derivative securities can be valued and hedged and also examines the way derivatives are traded.

FIN 424 Advanced Financial Statement Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY424
Subject Description: This subject examines the framework for financial statement analysis with discussion of the role of accounting information and intermediaries. Emphasis is on the appraisal and prediction of corporate financial performance from publicly available information such as accounting numbers, industry and economic statistics as well as other stock market data. Cases and problems are gradually introduced, provoking an analytical and creative thinking process ending with the evaluation and preparation of appropriate business strategies.

FIN 425 Banking Theory and Practice

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY425
Subject Description: This subject examines bank management theory as applied to the practice of bank operations within the banking sector. It entails comprehensive discussion on issues that are commonly involved within the banking environment such as the regulatory structure, risk management, commercial and consumer lending, capital adequacy analysis, banking financial futures and forwards, the cheque clearing system and the latest information technology within the banking world.

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FIN 426 Advanced Corporate Finance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY426
Subject Description: This subject examines advanced aspects of financial controllership and corporate finance within the contemporary business environment. The subject first analyses the impact of less-than-ideal capital markets, information asymmetries and principal-agent conflicts on practical decision-making in the firm. It then investigates several specialised areas receiving increased scrutiny from corporate stakeholders including financial distress and restructuring, corporate governance, organisational architecture and risk management, debt and equity strategies, and mergers and acquisitions.

FIN 427 Entrepreneurial Finance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY427
Subject Description: This subject deals with the financial management tools and techniques appropriate for small and medium-sized business enterprises. It includes study of potential investors and their mindset at various stages in the firm's life cycle, thus covering sources, uses and management of funds from pre-purchase to public listing. A case study approach is employed. Issues addressed include valuation, performance measurement, obtaining and organising finance, financial planning, and cost of financial capital and exit strategies.

FIN 428 Multinational Financial Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY428
Subject Description: This subject examines international finance and investment from the perspective of the multinational corporation. Topics studied include various aspects of the international monetary system, the Euromarkets, foreign exchange markets, internal and external exposure management techniques, currency futures and options, swaps, financing multinational corporation investment, multinational corporation investment decision making, political risk analysis and international taxation.

FIN 487 Special Topic in Finance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY487
Subject Description: This subject provides an opportunity for students to study a topic of interest within the theory and application of finance. The program of study comprises a combination of coursework and/or research with subject objectives and assessment approved by the Associate Head of School.

MARK101 Marketing Principles

Spring Loftus On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Shoalhaven On Campus
Spring Moss Vale On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with MARK213, MARK293 or MGMT213
Subject Description: The subject examines basic marketing concepts to build up a sound understanding. The material assists those who want to be specialist marketers and those interested in undertaking other business or professional studies. What you learn in this subject will be of value to you for the rest of your lives as consumers and as members of the business community.

MARK201 Applied Marketing Research A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MARK101 or MARK213
Co-requisites: None
Exclusions: Not to count with MARK319
Subject Description: In an increasingly dynamic environment, failure to engage in marketing research activity leads to disadvantages in the strong competitive market place. Mastering marketing research is necessary for successful marketing. This subject will focus on the practice of marketing research by integrating theory and application. Applied Marketing Research A includes the research process from the problem definition to the fieldwork design. The remaining components are covered in Applied Marketing Research B.

MARK202 Applied Marketing Research B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MARK101or MARK213, and MARK201 or MARK319
Co-requisites: None
Exclusions: Not to count with MARK239
Subject Description: In an increasingly dynamic environment failure to engage in marketing research activity leads to disadvantages in the strong competitive market place. Mastering marketing research is necessary for successful marketing. This subject will focus on the practice of marketing research by integrating theory and application. Applied Marketing Research B (MARK202) continues where Applied Marketing Research A (MARK201) ends and encompasses the entire marketing research process starting with the fieldwork phase: organising, supervising and conducting fieldwork, entering data, analysing data, drawing conclusions and reporting the findings.

MARK213 Marketing Principles

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with MARK101

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Subject Description: The subject examines marketing's role in the economy and the nature of marketing systems. After considering the role of the marketing function in the organisation, the marketing decision process is examined. The identification of market opportunities, the selection of target markets from market segmentation, and buyer behaviour is covered. Marketing mix decisions are dealt with in the context of the marketing program.

MARK217 Consumer Behaviour

Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Moss Vale	On Campus
Autumn	Wollongong	On Campus
Autumn	Loftus	On Campus

Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: Consumer Behaviour involves gaining a greater understanding of the consumers as individuals by studying perception, learning and memory, motivation and values, personality, lifestyles, attitudes and attitude change. Additionally the content of this subject focuses upon consumers as decision makers, involving an examination of the entire purchase process. Other areas of interest include household and organisational decision making, and the influence of culture on consumption.

MARK270 Services Marketing

Spring	Wollongong	On Campus
Spring	Bega	On Campus
Spring	Shoalhaven	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus
Spring	Loftus	On Campus

Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: This subject covers the practice of marketing of services. Significantly, this incorporates both conceptual and practical issues not always evident in the existing marketing literature covering the marketing of products. As well, the global growth of the service sector has focused attention on the marketing function for organisations serving this sector. This subject is designed to equip practitioners to function effectively in the expanding world of services marketing.

MARK301 Internet Applications for Marketing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213)
Co-requisites: None
Subject Description: This subject deals with the issues facing internet users to establish the distinctly different environment in which people operate online. This grounding is then used as a basis to build an understanding of the internet to key applications in marketing such as research, adding value in the areas of product, distribution, pricing and promotion. It is a consumer focussed perspective that most students will be able to relate to from their own experience and therefore suitable for a 2nd or 3rd year undergraduate subject.

MARK317 Business to Business Marketing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: This subject will give students an appreciation of the differences between organisational and consumer customers. Organisation buying practices are different from the processes of consumers and as a result marketing strategy and operations have distinctly different imperatives. With a much higher level of rationality in decision making, there is a far greater focus on product management and innovation as a source of competitive advantage. There is also a greater focus on logistics and distribution functions as reliability of supply is a key need of customers, particularly when product delivery has to interface directly with customer operations. The central role of personal selling in the promotional mix is also dealt with in depth as it is critically important in generating sales and maintaining relationships with customers.

MARK320 Social Marketing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213)
Co-requisites: None
Subject Description: Social marketing seeks to change strongly ingrained behaviour or firmly held beliefs in a manner that benefits individuals and society at large. Examples of social marketing include campaigns to reduce or prevent smoking, alcohol consumption, drug use, domestic violence and unsafe driving. This subject examines how to design a step-by-step program that will move the target audience from indifference to action and ultimately maintenance. This is achieved by applying marketing techniques and concepts to the solution of various social problems. This subject will use a case-study approach to teaching the key concepts and skills of social marketing, drawing on current and historic Australian and international campaigns.

MARK333 Marketing Communications & Advertising

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: Marketing communications (marcoms) come in many forms. Examples include, but are far from limited to, mass media advertising, promotions, celebrity endorsements, and after-sales support. This subject aims to develop students' appreciation of the role that marcoms play in the company's marketing efforts as well as how prospective customers process and are influenced by marcoms. The subject has a managerial perspective and by the end of the subject students will be able to both manage and critically evaluate marcoms campaigns.

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MARK343 International Marketing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: The principal aim of the subject is to analyse the global marketing environment and develop appropriate international marketing strategies. The content will include: socio-economic, legal, political, financial and cultural factors affecting international marketing operations; analysing the profiles of selected regional markets and strategic options for entry and expansion in those markets; international marketing research methods and data analysis techniques; international marketing mix decisions; and contemporary issues in multinational marketing.

MARK344 Marketing Strategy

Spring Loftus On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Shoalhaven On Campus
Spring Moss Vale On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MARK101or MARK213 PLUS 12 credit points from 200 level MARK subjects
Co-requisites: None
Subject Description: This is the 'capstone' unit in the marketing major. As such it is designed to integrate skills and knowledge in a number of other business disciplines. It will draw heavily on the areas of not only marketing theory and market research methods but also economics, finance, managerial accounting and management theory. It is designed to develop analytical skills and diagnostic ability for the proposal, implementation and control of alternative marketing strategies and plans.

MARK356 Creating & Marketing New Products

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: New Product Marketing covers issues related to the development and marketing of new products. Topics include: the role of new products in the success of organisations, the new product development process, marketing mix, issues concerned with new products organisation and management of new product development processes diffusion of new products new service development functions of product managers

MARK359 Sales Management

Not on offer in 2008
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: The subject covers key areas of sales management including: relationship to wider context of marketing practice, conceptual and behavioural issues, organisational context, motivation, selection & training, motivation, compensation and incentives, approaches to evaluation and control.

MARK393 Special Topic in Marketing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: Selected issues in marketing. Enrolment is subject to approval of the Head of Discipline for Marketing

MARK394 Special Topic in Marketing B

Not on offer in 2008
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: A selected issue in Marketing, involving an individual case analysis or business project. Enrolment is subject to the approval of the Head of the Marketing Disipline. The subject is taken only under special circumstances as a substitute for an approved subject under the Marketing major or double major schedule.

MARK395 Tourism Marketing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MARK101
Co-requisites: None
Subject Description: This subject introduces, discusses and analyses issues unique to the marketing of tourism products. The focus of this subject is the application of marketing principles and theory in the development of strategic marketing plants for tourism products. The application of strategic tourism marketing planning to the destination, accommodation and tour operator sectors of the tourism industry at the regional, national and international level are analysed. In addition, the subject identifies and discusses contemporary issues in tourism marketing including the impact of e-commerce, database marketing and environmental based tourism.

MARK397 Retail Marketing Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (MARK101) or (MARK213) or (MARK293)
Co-requisites: None
Subject Description: Retail Marketing Management will include a background to retailing, the scope of retailing, retailing strategies, merchandise and store management. Additionally topics such as location, non-store retailing, human resource management, logistics, promotion, pricing, customer service and store layout are also studied. Particular emphasis will be placed on case analysis in order to bring as much of the 'real world' as possible into the classroom.

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MGMT102 Business Communications

Autumn	Wollongong	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Loftus	On Campus
Autumn	Bega	On Campus
Autumn	Moss Vale	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces the theory and practice of communication in business and in workplaces. It offers knowledge and information on how students can become more effective, culturally sensitive and humane communicators personally and professionally. It examines and discusses the cultural, organisational and personal contexts and processes of communication in groups, meetings, interviews, public speaking, presentations and writing. Other issues discussed include interpersonal skills, understanding non-verbal messages, listening and building relationships in business and workplaces.

MGMT110 Introduction to Management

Autumn	Loftus	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Moss Vale	On Campus
Spring	Wollongong	On Campus
Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to key management theories and concepts including organisational culture, social responsibility, ethics, managing groups, motivating employees, planning, managing human resources and employee relations, strategic management, decision-making, managing operations, leadership and management control systems. The subject is designed to provide an opportunity for students to acquire understanding through a series of lectures supported by student participation in simulation activities. The subject is presented from the point of view of managers, but students will learn how the different interests between organisational stakeholders affect various management processes.

MGMT200 Management and Electronic Business

Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: Must have successfully completed a minimum of 12 credit points of subjects from the Commerce, Information Technology or Engineeering schedules.
Co-requisites: None
Subject Description: This subject identifies key management issues arising from the use of e-commerce in organisations and across organisations and in different industry sectors. It examines how e-commerce affects areas such as information and knowledge management, decision making, teamwork, communication internal processes and culture, and relationships with supply chains, customers, government and society. It considers the managerial choices and strategies arising from technological and organisational change related to electronic business.

MGMT201 Organisational Behaviour

Autumn	Wollongong	On Campus
Autumn	Loftus	On Campus

Credit Points: 6
Pre-requisites: MGMT110
Co-requisites: None
Subject Description: The subject examines aspects of the social and behavioural sciences that are relevant to understanding human behaviour in work organisations. The focus of the subject ranges from the behaviour and activities of individuals and groups in organisational settings, to understanding complex organisations as a whole.

MGMT205 Recruitment & Selection

Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: MGMT110 and MGMT206 or MGMT398
Co-requisites: None
Subject Description: This subject examines the environment and process of recruitment and selection. Recruitment strategies are described and assessed from the perspective of the organisation and the individual. In particular, a range of personnel selection techniques are examined in relation to reliability, validity, fairness and applicability. Also a range of practical skills in designing personnel selection techniques are developed.

MGMT206 Managing Human Resources

Spring	Wollongong	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Shoalhaven	On Campus
Spring	Moss Vale	On Campus
Autumn	Wollongong	On Campus
Spring	Loftus	On Campus

Credit Points: 6
Pre-requisites: MGMT110
Co-requisites: None
Exclusions: MGMT398
Subject Description: This subject is concerned with the concepts, techniques and activities involved in managing the flow of people through work organisations. Emphasis is placed on understanding the techniques of contemporary HRM that can be applied in organisations to facilitate the acquisition and development of staff, to influence positively their job performance, and to manage the processes of staff turnover and retention.

MGMT208 Introduction to Management for Professionals A

Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with MGMT308
Subject Description: This subject provides an introduction to the environment of the business enterprise, and explores key managerial functions, concepts and techniques. Topics covered include: analysis of the business environment; competitive strategy; managerial

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decision-making; work behaviour; business planning, financial management of businesses and projects; markets and marketing; technology management; operations management, and basic project management techniques.

MGMT209 Managing knowledge in Organisations

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110
Co-requisites: None
Subject Description: This subject is an introduction to knowledge management (KM). KM is becoming increasingly important as organisations switch their focus on managing tangible assets (e.g. plant) to intangible assets, such as knowledge, in search of competitive advantage in the knowledge economy. The aim will be to provide students with the skills to manage intangible knowledge resources. Topics include knowledge definition; the processes of creation, transfer, and usage; as well as human resource management strategies for knowledge workers; measurement of knowledge value; international context; and communities of practice.

MGMT215 Small Business Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY101 or ACCY100 & ACCY102
Co-requisites: None
Subject Description: Smaller enterprises are becoming increasingly important to the economic well being of many nations. This subject gives students an opportunity to develop an awareness of the role of the small enterprise in the economy and society, and the key factors involved in their management. The subject is oriented at the study of smaller enterprise rather than training the student to start and manage a small firm itself.

MGMT218 Competitive Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON111
Co-requisites: None
Subject Description: This subject develops models and techniques for measuring and understanding the complexity of competition. Case studies and empirical analysis are used to show how firms can analyse the industry in which a firm is located, understand its competitors and its own position, and grasp how this might influence its business strategy. Topics include: Structural analysis of industries; competitor analysis; competitive strategies; development of generic strategies; buyers/suppliers strategy; strategy in different industrial environments; strategy formulation in a multinational competitive environment.

MGMT220 Organisational Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110
Co-requisites: None
Subject Description: This subject examines different perspectives from which organisations can be analysed. Students are provided with an understanding of the main theoretical frameworks used to explain how organisational members are affected by organisational structures, environments, political processes and cultural aspects of organisations.

MGMT256 Systems Thinking and Simulation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110 and ECON121 or COMM121 and STAT131
Co-requisites: None
Subject Description: This subject will focus on the essentials of systems dynamics and strategic systems thinking. Applied systems dynamics modelling will be introduced through continuous simulation of business and management processes. Discrete event simulation will also be introduced to illustrate how systems modelling techniques can be applied to manufacturing and service enterprises, and to the attendant supply chains.

MGMT257 Principles of Supply Chain Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110 and ECON121 or COMM121 or STAT131
Co-requisites: None
Subject Description: This subject introduces students to the principles and techniques of supply chain management. Students are provided with an overview of the main functions associated with managing supply chains, such as purchasing, operations, logistics and relational integration. Core topics and concepts covered include: the bullwhip effect, supplier relationships, forecasting and demand management, enterprise resource planning and transportation's role in the supply chain and in customer relationship management. The subject also provides the student with an understanding of the challenges of measuring supply chain performance.

MGMT300 Managing Innovation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of subjects from Commerce, Information Technology or Engineering schedules
Co-requisites: None
Exclusions: Not to count with COMM300
Subject Description: Electronic Commerce and the information technology and communications systems it employs can be seen as 'transforming technology' that is changing the way that all firms do business. The subject aims to show the relationship between the management of innovation and the wide-reaching influence of the internet on organisational structures and business strategies. Theoretical and professional issues associated with the management of product and process innovation are addressed. Emphasis will be placed on the strategic implications of innovation as a source of competitive advantage for both firms and industries.

MGMT301 Managing Across Cultures

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110 plus 12 cps from 200 or 300 level Faculty of Commerce subjects
Co-requisites: None

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Subject Description: This subject explores the influence of culture on management from an international business perspective. It discusses major theories of culture and their practical application to management issues such as communication, negotiation, decision-making, human resource management, ethics, expatriation and diversity. The subject fosters an understanding of how to manage successfully across cultural boundaries in an international business context.

MGMT309 Supply Chain Strategies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110, MGMT257 and ECON121 or COMM121 or STAT131
Co-requisites: None
Subject Description: This subject focuses on supply chain strategies that are customer focused and market driven. It distinguishes between operational or supply-based approaches and strategic approaches to supply chain management, exploring the latter in depth. This subject highlights and provides solutions to the main challenges facing organisations wanting to select design and implement successful supply chain strategies in an increasingly global and competitive enrivonment.

MGMT311 Management of Change

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110
Co-requisites: None
Subject Description: This subject deals with management of change in organisations. Topics include: sources of change, resistance to change, coping with change, organisational values, creation of organisational visions and missions, leading organisational change, models of organisational change, creation and change of organisational cultures. Emphasis is placed on the application of theory to case study examples.

MGMT314 Strategic Management

Spring Wollongong On Campus
Autumn Bega On Campus
Autumn Batemans Bay On Campus
Autumn Shoalhaven On Campus
Autumn Moss Vale On Campus
Autumn Wollongong On Campus
Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: MGMT110 plus MARK213 or MARK101 or MGMT218 or MGMT220
Co-requisites: None
Subject Description: The subject deals with the strategic management process and planning functions in the business enterprise. Emphasis will be placed on the process by which opportunities and threats to the business enterprise are recognised and evaluated, and on the strategies required to meet these challenges. Topics include: business mission; customer and competitor analysis; industry analysis; environmental analysis; strategy and organisation; alternative business strategies.

MGMT316 Operations Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON121 or COMM121 or STAT131 and ECON111
Co-requisites: None
Subject Description: The purpose of this subject is to provide the student with a broad understanding of the key issues in modern operations management in both manaufacturing and service organisations, and to allow the student to develop some basic skills in the methodologies of operations management. It is an introductory subject designed for udnergraduate students with no previous study in operations management. The subject content and assessment components reflect quantitative procedures associated with operations management and also qualitatively explore the relevant strategic, managerial and ethical issues associated with operations management.

MGMT321 Occupational Health and Safety Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110 and MGMT398 or MGMT206
Co-requisites: None
Subject Description: This subject aims to give students a critical introduction to the broad subject of Occupational Health and Safety Management (OHSM) and to examine in detail some of the specific theoretical and practical issues related to the topic. Under the broad rubric of OHSM, there are a number of competing perspectives, views and voices. This subject will not privilege one model over another. Rather, it will present some of these competing views in a manner that will require individual students to exercise their critical faculties and develop their own, theoretically informed approach to the practical management of OH&S

MGMT322 Training & Development

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110 and MGMT398 or MGMT206
Co-requisites: None
Subject Description: This subject provides students with an understanding of key concepts and practical approaches to the development of people in organisations. Topics include: theories and models of learning; job analysis; identification of training needs; training delivery forms and their selection; skills development and training; multi-skilling and flexibility; management development; succession planning; national and international frameworks of training; organisational learning and the learning organisation; organisational development; evaluation of training and development.

MGMT328 Logistics Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110 and ECON121 or COMM121 or STAT131
Co-requisites: None
Subject Description: This subject provides an overview of logistics and inventory management approaches, exploring their role in overall supply chain strategy formulation. Students will develop understanding of procurement and inventory management models, the role of enabling technologies within the supply chain,

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and performance measurements techniques. Building on these principles, students will gain an understanding of the synergy between all aspects of logistics within the context of total supply chain management.

MGMT332 Enterprise and Innovation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY101 or ACCY100 & ACCY102 plus MARK213 or MARK101
Co-requisites: None
Subject Description: Innovation is an important issue for economic development. This subject investigates and studies the concept of innovation and people who make it happen - the entrepreneurs. The enterprise focus covers both new venture creation within an SME context and intrapreneurship in a larger firm context. This subject allows students to undertake the action learning process of sourcing a possible innovative business idea and then test it using a business plan that they will develop and present.

MGMT341 International and Comparative Human Resource Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110 plus 12 cps from Faculty of Commerce 200 or 300 level subjects
Co-requisites: None
Exclusions: Not to Count for credit with ECON340 and COMM341
Subject Description: This subject focuses on the management of people in multinational firms. Main topics include: differences between domestic and international human resource management (HRM) and firm-level adjustments as firms go international; managing and supporting staff on international assignments (recruitment and selection, training and development, compensation and re-entry and career issues); global HRM issues, including industrial relations, performance management, and future issues; the HRM and industrial environment in a selection of countries.

MGMT350 Quality Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MGMT110 plus ECON121 or COMM121 or STAT131
Co-requisites: None
Subject Description: The purpose of this subject is to provide the student with an introduction to the principles and tools associated with the management philosphy and technique called 'Quality Management'. It is an introductory subject designed for undergraduate students with no previous study in this field. The subject engages both qualitative and quantitative approaches to help students to identify, analyse and understand the impacts of quality management systems in any organisation.

MGMT370 Project Management

Not on offer in 2008
Credit Points: 6
Pre-requisites: MGMT110 plus 6 cp from 200 MGMT subject
Co-requisites: None
Subject Description: This subject provides an overview of the major elements of project management: conception and planning, scheduling, budgeting, risk management, managing the project team and implementation. Other topics include projects and strategy, dealing with contractors and clients and managing international projects.

MGMT389 International Business Management

Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Moss Vale	On Campus
Autumn	Loftus	On Campus
Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: MGMT110 AND MARK213 or MARK101 AND MGMT218
Co-requisites: None
Subject Description: This subject deals with the international business environment and the key issues involved in operating in international and global markets. The international and global business environment, entry modes, global strategies, functional strategies and the management and control of international/global operations are covered. On completion of this subject, students will have an understanding of international business and be able to apply key concepts in analysing and developing international business strategies.

MGMT392 Case Study .

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: MGMT398 & MGMT218
Co-requisites: None
Subject Description: This subject entails in depth analysis of a management problem arising from the experience of an organisation. Enrolment is subject to the approval of the Head of Management.

MGMT393 Special Topics A .

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 cp from 100/200 level MGMT subjects
Co-requisites: None
Subject Description: This subject examines selected issues in general management and in the various functional areas of management. Enrolment is subject to the approval of the Head of Management.

MGMT398 Human Resource Management

Spring	Wollongong	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Shoalhaven	On Campus
Spring	Moss Vale	On Campus
Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: MGMT110
Co-requisites: None
Exclusions: MGMT206
Subject Description: This subject is concerned with concepts, techniques and activities involved in the managing the flow of human resources through organisations. Emphasis is placed on understanding the techniques of contemporary HRM that can be

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applied in organisations to facilitate the acquisition and development of staff, to influence positively their job performance, and to manage the processes of staff turnover and retention. The theoretical foundations and practical application of these techniques are emphasised.

PRMM201 Public relations concepts

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with an introduction to the relational and communication concepts that underpin public relations. The aim is to provide students with the concepts to compare, debate, and evaluate different approaches to public relations theory. Key concepts studied include rhetorical, critical and discourse theories and communication models. A social innovation orientation will be adopted to emphasize the dynamics of change, power and ethics. Public relations concepts will be applied to relevant contemporary issues and case studies in order to analyse the implications for practice.

PRMM202 Public relations stategy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the fundamental concepts of strategy and relationship management. The course content is thematically organised by key publics: government relations; media relations; employee relations; community relations; investor relations; and consumer relations. Students will develop crisis responses, effective media relations plans, and how to integrate new technologies. Tutorials will develop the applied communication skills needed to produce public relations materials and emphasize the ethical dimensions of public relations strategies.

PRMM301 Public relations campaigns

Not on offer in 2008
Credit Points: 6
Pre-requisites: PRMM202
Co-requisites: None
Subject Description: This subject provides the opportunity to develop a campaign plan for an organization. Students will be provided with a brief from an organization and work in teams to develop a campaign to address public relations issues. Key topics covered in the subject include campaign research, planning, implementation and evaluation, issue and crisis management, sponsorship or donor programmes, and events management.

PRMM303 Corporate identity and branding

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject addresses three significant issues: how is brand equity created, how is brand equity measured, and how can brand equity be used to expand business opportunities? Students will be able to describe the role of brands, the concept of brand equity and the advantages of creating strong brands. They will understand how brands create value for shareholders and how to evaluate brand equity. In addition, they will learn how to develop alternative branding strategies, devise brand hierarchies, assess brand personality, leverage brands and sponsorship, develop co-branding opportunities.

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Faculty of Creative Arts

Member Units

School of Journalism and Creative Writing
Journalism
Creative Writing
School of Music and Drama
Performance (Theatre, Vocal Performance and Technical Production)
Sound - Composition and Music Production
School of Art and Design
Visual Arts
Graphic Design
Visual Arts and Graphic Design
Media Arts

Degrees Offered

Single Degrees

Bachelor of Creative Arts
Bachelor of Creative Arts (Dean's Scholars)
Bachelor of Creative Arts (Honours)
Bachelor of Journalism

Double Degrees

Bachelor of Creative Arts - Bachelor of Communication and Media Studies
Bachelor of Creative Arts – Bachelor of Arts
Bachelor of Creative Arts - Bachelor of Commerce
Bachelor of Creative Arts - Bachelor of Science
Bachelor of Creative Arts - Bachelor of Computer Science
Bachelor of Creative Arts - Bachelor of Laws (See Faculty of Law)
Bachelor of Journalism – Bachelor of Creative Arts
Bachelor of Journalism – Bachelor of Arts
Bachelor of Journalism – Bachelor of Communication and Media Studies
Bachelor of Journalism – Bachelor of Commerce
Bachelor of Journalism – Bachelor of Science
Bachelor of Journalism – Bachelor of Laws (See Faculty of Law)
Bachelor of Journalism – Bachelor of Engineering
For tuition fee information please see the following:
Domestic - www.uow.edu.au/student/finances/index.html
International - www.uow.edu.au/prospective/international/fees/

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Bachelor of Creative Arts

Testamur Title of Degree:	Bachelor of Creative Arts
Abbreviation:	BCA
Home Faculty:	Faculty of Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	840
UAC Codes:	Specified below for each major
CRICOS Code:	001709K

Overview

The Bachelor of Creative Arts is a three-year full-time course made up of a combination of theory and practical work in a major study area.

Entry Requirements

Applicants must be prepared to demonstrate their ability (in both theory and artistic practice) to meet the criteria for a proposed major as determined by an interview or audition. No applications (whether made via the UAC or directly to UOW) will be considered unless the student has completed and submitted a Creative Arts application by Friday 26 September 2008. A late fee of $50 will apply for applications submitted after the closing date. Portfolio and/or audition requirements are specified below for each major. International applications may be submitted anytime throughout the year for commencement in the next academic year.

Advanced Standing

Advanced standing arrangements for the Bachelor of Creative Arts are currently under review. Students seeking advanced standing are advised to contact the Faculty of Creative Arts office for further details.

Course Requirements

The BCA degree requires 3 years of full-time study or part-time equivalent and the completion of subjects to the value of 144 credit points. Students enrolling in the BCA are required to complete either:

1. a) 108 credit points of core subjects in the major (36 credit points each at 100, 200 and 300 level); and

b) 36 credit points of elective subjects of which no more than 18 credit points may be taken at 100 level.

OR

2. 144 credit points of core subjects in the Visual Arts and Graphic Design major.

Electives

A limited range of electives is offered by the Faculty of Creative Arts. However, students are encouraged to take advantage of the full range of subjects available within the University. The core subjects focus on practice, in conjunction with a study of the history and theory of the discipline.

Honours

A fourth year is available at Honours level for outstanding students.

Major Study Areas

Creative Writing

Performance

Sound - Composition and Music Production

Visual Arts

Graphic Design

Visual Arts and Graphic Design

Media Arts

Creative Writing

UAC Code: 754602

A major in Creative Writing offers both a practical and theoretical understanding of writing practice. In first year, following an introductory subject on writing fundamentals, students specialise in one or more of the following areas:

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- poetry
- prose fiction, and
- scripting for either film, television or theatre.

In second and third years, additional subjects are offered in:

- editing
- professional practice for creative writers
- writing for performance, and
- scripting/scoring sound texts

Third year subjects allow for the development of larger-scale writing projects. Throughout the degree, students are involved in the critical examination of poetics and writing theory. In general, class activities are based around a combination of lectures, intensive workshops, writing exercises, group discussions and individual student presentations. The degree regularly makes use of various artist and writer-in-residence schemes. Students are encouraged to participate in public readings and performance of their work, as well as the active pursuit of publication.

Specific Entry Requirements

It is expected that applicants for a major study in Creative Writing will have developed a body of work in either prose fiction (short story or novel), poetry or some form of dramatic writing, and be able to demonstrate an ongoing and independent commitment to writing.

Acceptance is based upon application, including portfolio, to be submitted by 26 September 2008, interview (normally held in late November) and UAI results.

Major Study Program

Code	Subject	Session	Credit Points
100-Level			
WRIT111	Writing Overview	Autumn	6
WRIT109	Writing Strategies for Theme and Structure	Autumn	6
And any 2 of the following:			
WRIT121	Writing for Stage and Screen	Spring	6
WRIT122	Writing Prose Fiction 100	Spring	6
WRIT123	Poetry 100: Introduction to Writing Poetry	Spring	6
Plus 12 credit points of theory:			
WRIT119	Writing Theory: Classicism to the Gothic	Autumn	6
WRIT129	Theory for Practising Writers: Realism to Modernism	Spring	6
200-Level - Any 4 of the following:			
WRIT211	Writing/Performing	Autumn	6
WRIT212	Writing Prose Fiction 200	Autumn	6
WRIT213	Poetry 200: Poetic Forms	Spring	6
WRIT214	Writing for Theatre 200	Autumn	6
WRIT215	Writing for Film and Television 200	Autumn	6
WRIT216	Introduction to Editing for Practising Writers	Spring	6
WRIT218	Introduction to Professional Practice	Autumn	6
WRIT222	Writing Extended Prose Fiction	Spring	6
WRIT228	Writing for Sound 200	Autumn	6
Plus 12 credit points of theory:			
WRIT219	Writing Theory: Modernism	Autumn	6
WRIT229	Writing Theory: Modernist Avant-Gardes	Spring	6
300-Level - Any 4 of the following:			
WRIT312	Advanced Prose Fiction A	Autumn	6
WRIT313	Advanced Poetry A	Autumn	6
WRIT314	Writing for Theatre 300	Spring	6
WRIT315	Writing for Film and Television 300	Spring	6
WRIT316	Advanced Editing for Practising Writers	Spring	6
WRIT317	The Writer and the Media	Autumn	6

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WRIT322	Advanced Prose Fiction B	Spring	6
WRIT323	Advanced Poetry B	Spring	6
WRIT328	Writing for Sound 300 - Scoring and Production	Spring	6
Plus 12 credit points of theory:			
WRIT319	Writing Theory: Structuralism to the Postmodern	Autumn	6
WRIT329	Contemporary Theory and the Practising Writer	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points may be at 100 level.

Performance

UAC Code: 754603

The Performance major offers subjects leading to a high level of achievement in theatre-making, performance and production.

Students accepted into Performance will undertake studies in:

- Acting
- Movement
- Singing and speech
- Dramaturgy, history and theory
- Text interpretation
- Contemporary performance techniques
- Production

Classes addressing all aspects of performance aim to provide students with the basic professional skills for entry to the performance industries.

The course is practice-based and offers many opportunities to work with professional artists and for live performance.

Students take core subjects in practice, technique and theory, providing a strong foundation in performance culture.

In first year, students acquire competencies in theatre-making with an emphasis on collaboration and ensemble practice. Each session culminates in a performance outcome.

In second and third year, students will further develop their skills in group-based performance across practical and theory classes with an emphasis on contemporary practice. Students will also develop individual acting skills in a range of productions on and off-campus, from text-based, conventional theatre to the experimental and avant-garde.

Production students will acquire basic competencies in production and stage management, audio and lighting design and will fill production roles in the School's performances.

Specific Entry Requirements

Acceptance is based upon application, audition and UAI. Applications close 26 September 2008 and auditions are normally held in late November.

For audition, applicants will be asked to learn and prepare one monologue, or a scene from materials supplied. This information will be sent to short-listed applicants by the first week in November. Applicants will also be asked to sing one song (own choice) that best displays vocal range and ability. At the auditions, applicants will also be assessed on their movement and improvisation skills.

Major Study Program

Subjects		Session	Credit Points
100-Level			
PERF102	Studio Practice A	Autumn	6
PERF103	Studio Practice B	Spring	6
PERF120	Performance Skills A	Autumn	6
PERF121	Performance Skills B	Spring	6
Plus 12 credit points of theory:			
PERF116	Dramaturgy A	Autumn	6
PERF117	Dramaturgy B	Spring	6
200-Level			
PERF202	Studio Practice C	Autumn	6

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PERF203	Studio Practice D	Spring	6
PERF220	Performance Skills C	Autumn	6
PERF221	Performance Skills D	Spring	6
Plus 12 credit points of theory:			
PERF216	Dramaturgy C	Autumn	6
PERF217	Dramaturgy D	Spring	6
300-Level			
PERF302	Studio Practice E	Autumn	6
PERF303	Studio Practice F	Spring	6
PERF320	Performance Skills E	Autumn	6
PERF321	Performance Skills F	Spring	6
Plus 12 credit points of theory:			
PERF316	Dramaturgy E	Autumn	6
PERF317	Dramaturgy F	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points may be at 100 level. Electives may be selected from the general schedule and may include CREA202.

Sound – Composition and Music Production

UAC Code: 75406

This major explores composition and production of music and sound, in particular through the use of digital technologies. It is suitable for students from a traditional music background, as well as those who have developed an interest in sound design and music composition through computer-based technologies. Students creativity will be extended through studies in:

- theory of sound (acoustics)
- composition (electronic media/improvisational and traditional)
- computer music applications
- critical listening skills
- audio/visual media

Classes addressing all aspects of sound studies will give students the opportunity to interact with their peers and visiting professional sound artists.

Specific Entry Requirements

Acceptance is based upon application, include original examples of work (scores and recordings), interview and UAI. Applications close 26 September 2008 and interviews are normally held in late November.

Major Study Program

Subjects		Session	Credit Points
100-Level			
SCMP101	Investigations in Sound 1: Creative Projects 1	Autumn	6
SCMP102	Investigations in Sound 2: Creative Projects 2	Spring	6
SCMP121	Sound Studies 1: Improvisation	Autumn	6
SCMP122	Sound Studies 2: Improvisation	Spring	6
Plus 12 credit points of theory:			
SCMP111	Issues in Sound 1: Acoustics	Autumn	6
SCMP112	Issues in Sound 2: Notation	Spring	6
200-Level			
SCMP201	Investigations in Sound 3: Creative Projects 3	Autumn	6
SCMP202	Investigations in Sound 4: Creative Projects 4	Spring	6
SCMP221	Sound Studies 3: Historical Studies 1	Autumn	6
SCMP222	Sound Studies 4: Historical Studies 2	Spring	6
Plus 12 credit points of theory:			
SCMP211	Computer Music 1: Algorithmic Composition	Autumn	6

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SCMP212	Issues in Sound 3: Audio/Visual Composition	Spring	6
300-Level			
SCMP301	Investigations in Sound 5: Creative Projects 5	Autumn	6
SCMP302	Investigations in Sound 6: Creative Projects 6	Spring	6
SCMP321	Sound Studies 5: Professional Practice 1	Autumn	6
SCMP322	Sound Studies 6: Professional Practice 2	Spring	6
Plus 12 credit points of theory:			
SCMP311	Issues in Sound 4: Computer Music 4	Autumn	6
SCMP312	Computer Music 2: Music Synthesis	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points may be at 100 level. SCMP electives are SCMP131, SCMP132, SCMP231, SCMP232, SCMP331 and SCMP332. Electives may also be selected from the general schedule and may include CREA202.

Visual Arts

UAC Code: 754605

This major is based on studio practice and related theory and history studies. The studio processes cover textiles, painting and sculpture - with support studies in drawing, printmaking, photography, video, installation, digital image making and curatorial practices. Student work is shown throughout the year in various gallery spaces in the Faculty.

In first year, studio subjects introduce students to a range of processes and media. Studio skills are taught, and a critical approach to their use is fostered in weekly seminars which explore the histories of each art and craft discipline.

In second year, studio subjects build on these basic techniques and skills. Increased emphasis is placed on the students' ability to achieve independence in ideas, technical skills and work practices. Students are encouraged to contextualise their artwork in contemporary practice by developing research processes, attending exhibitions and participating in the wider artistic community.

In third year studio subjects, students are expected to explore and develop personal themes and ideas to a greater depth. Professional practice as a visual artist is introduced. This includes skills in visual presentation appropriate to the medium, gallery practice and compiling a professional portfolio. The focus is on the completion of a body of work for exhibition in the final year graduating exhibition.

First year students are introduced to theoretical and historical aspects of art criticism and cultural production, including the international modernist movement. Second year art history and theory studies cover Australian nineteenth and twentieth century visual arts and design and studies the role of the artist in contemporary culture. In third year the focus turns to Australian Indigenous art and visual culture and post colonial cultural issues.

In November each year, third year students present in the Faculty's galleries a major exhibition of final year works, known as the Grad Show.

Specific Entry Requirements

Acceptance is based upon application, to be submitted by 26 September 2008 interview (normally held in late November), and UAI results.

The application must include photographs of up to four of the applicant's most recent artworks. If selected for an interview, applicants must bring a portfolio of their work. Original work is required.

Major Study Program

Subjects		Session	Credit Points
100-Level			
VISA101	Visual Investigations A	Autumn	6
VISA102	Visual Investigations B	Spring	6
VISA103	Introduction to Visual Arts Studio A	Autumn	6
VISA104	Introduction to Visual Arts Studio B	Spring	6
Plus 12 credit points of theory:			
VISA121	Introduction to Critical Theory in Art and Design	Autumn	6
VISA122	Ideas in Practice: Perspectives on Modernism	Spring	6
200-Level			
VISA201	Visual Investigations C	Autumn	6
VISA202	Visual Investigations D	Spring	6
VISA203	Visual Arts Studio C	Autumn	6

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VISA204	Visual Arts Studio D	Spring	6
Plus 12 credit points of theory:			
VISA221	Ideas in Practice: Perspectives on Australian Visual Arts and Design	Autumn	6
VISA222	The Artist in Contemporary Culture	Spring	6
300-Level			
VISA301	Visual Investigations E	Autumn	6
VISA302	Visual Investigations F	Spring	6
VISA303	Advanced Visual Arts Studio E	Autumn	6
VISA304	Advanced Visual Arts Studio F	Spring	6
Plus 12 credit points of theory:			
VISA321	Introduction to Indigenous Art and Visual Culture	Autumn	6
VISA322	Representation and Space in the Post Colonial World	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points may be at 100- level.

Graphic Design

UAC Code: 754602

This major combines Visual Arts and design theory with laboratory production components. Students are introduced to a range of graphic and digital imaging techniques and practices across a number of conceptual and industry contexts including graphic design, web, and interactive multimedia design. The major encourages an interdisciplinary approach to the study and practice of creative print and screen-based design. Student work is shown throughout the year in one of the gallery spaces in the Faculty.

The first year of the course covers both an introduction to graphic design and to theories of visual and graphic arts. Students are encouraged to carry out research on historical and contemporary designers and cultural trends, and then experiment with a range of production techniques, computer software and hardware skills and creative solutions. Students gain a solid grounding in visual art methods of drawing and constructing images, both analogue and digital.

During second year, specific subjects in typography, campaign graphics and editorial design, web design and design theory are introduced to the course. Students will be more independent in their motivations and research focus. Increasingly, student projects are concerned with real clients and job briefs. Theory and production subjects run in parallel throughout the year.

In third year advanced design theory and production subjects introduce the student to professional practice methods and techniques. The emphasis is on developing a range of critical and practical skills in the rapidly expanding fields of graphic and digital design. Interactive multimedia and new media theory form a focus for end of degree students. Major projects are developed for real clients.

An end of year exhibition of final session work is held in one or more of the Faculty galleries. An on-line gallery is also available for students to show their work.

Specific Entry Requirements

Acceptance is based upon application to be submitted by 26 September 2008, interview (normally held in late November), and UAI results.

The application must include a set of six photographs or prints which show examples of or approaches to at least three of the following design categories: web page design; interactive multimedia; poster design (photo or paper collage is acceptable); book/music CD cover design (pencil, water colour or gouache paint is acceptable); logo design (pen and ink or rubdown lettering is acceptable); T-shirt design using screen print; advertising design using photography or editorial illustration (hand or digital).

If selected for an interview, applicants must bring a portfolio of their work. Original work is required.

Major Study Program

Subjects		Session	Credit Points
100-Level			
DESN101	Introduction to Graphic Design	Autumn	6
DESN102	Design for Visual Communications	Spring	6
VISA101	Visual Investigations A	Autumn	6
VISA102	Visual Investigations B	Spring	6

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Plus 12 credit points of theory:			
VISA121	Introduction to Critical Theory in Art and Design	Autumn	6
VISA122	Ideas in Practice: Perspectives on Modernism	Spring	6
200-Level			
DESN201	Typography, Type Design and Editorial Illustration	Autumn	6
DESN202	Publication Design: For Printed Media	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web Design	Spring	6
Plus 12 credit points of theory:			
VISA221	Ideas in Practice: Perspectives on Australian Visual Arts and Design	Autumn	6
DESN222	Design Theory	Spring	6
300-Level			
DESN301	Commercial Graphic Design Practice A	Autumn	6
DESN302	Commercial Graphic Design Practice B	Spring	6
DESN311	Interactive Multimedia Design	Autumn	6
DESN312	Advanced Design Project	Spring	6
Plus 12 credit points of theory:			
DESN321	New Media Theory	Autumn	6
DESN322	Advanced Graphic Design Theory	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points may be at 100 level.

Visual Arts and Graphic Design

UAC Code: 754607

This fully prescribed major of 144 credit points is designed for those who have strong interests in both visual arts practice and in graphic design. It allows visual artists who wish to broaden their career options to develop skills which have commercial application. The graphic design emphasis in this major is towards design for print media, using both manual and digital technologies. Studio subjects are supported by design theory and visual arts theory subjects.

Specific Entry Requirements

Refer to the specific entry requirements for Visual Arts and also for Graphic Design.

Major Study Program

Subjects		Session	Credit Points
100-Level			
VISA101	Visual Investigations A	Autumn	6
VISA103	Introduction to Visual Arts Studio A	Autumn	6
VISA121	Introduction to Critical Theory in Art and Design	Autumn	6
DESN101	Introduction to Graphic Design	Autumn	6
VISA102	Visual Investigations B	Spring	6
VISA104	Introduction to Visual Arts Studio B	Spring	6
DESN102	Design for Visual Communication	Spring	6
VISA122	Ideas in Practice: Perspectives on Modernism	Spring	6
200-Level			
VISA203	Visual Arts Studio C	Autumn	6
VISA221	Ideas in Practice: Visual Arts and Design in Australia	Autumn	6
DESN201	Typography, Type Design and Editorial Illustration	Autumn	6
VISA201	Visual Investigations C	Autumn	6
or			
DESN211	Introduction to Web Design	Autumn	6

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VISA204	Visual Arts Studio D	Spring	6
VISA222	The Artist in Contemporary Culture	Spring	6
DESN202	Publication Design: For Printed Media	Spring	6
DESN222	Design Theory	Spring	6
300-Level			
VISA303	Advanced Visual Arts Studio E	Autumn	6
VISA321	Introduction to Indigenous Art and Visual Culture	Autumn	6
DESN301	Commercial Graphic Design Practice A	Autumn	6
DESN321	New Media Theory	Autumn	6
VISA304	Advanced Visual Arts Studio F	Spring	6
VISA322	Representation and Space in the Post Colonial World	Spring	6
Plus one of:			
DESN302	Commercial Graphic Design Practice B	Spring	6
DESN312	Advanced Design Project	Spring	6
Plus one of:			
VISA302	Visual Investigations F	Spring	6
VISA350	Curatorial Practice	Spring	6
DESN390	Experimental Digital Art	Spring	6

Media Arts

UAC Code: 754608

Media Arts explores the contemporary field of experimental media practice which links traditional media production to emerging tendencies in creative computing. This major will provide skills, understanding and experience in this exciting new field of creative practice. The first year establishes a foundation in media and computation. The second year focuses on digital cinema and approaches to interaction (in games, networked media and electronic installation). The final year has a professional project-based emphasis. Students research and produce portfolio work in a specialised field of Media Arts Practice.

Specific Entry Requirements

Acceptance is based on application to be submitted by 26 September 2008, interview (normally held in late November) and UAI results.

The application must include photographs of up to four of the applicant's most recent artworks. If selected for an interview, applicants must bring a portfolio of their work. Original work is required.

Note: Media Arts subjects may be taken as electives by students majoring in Visual Arts or Graphic Design.

Major Study Program

Subjects		Session	Credit Points
100-Level			
MEDA101	Introduction to Media Arts	Autumn	6
VISA101	Visual Investigations A	Autumn	6
MEDA102	Computational Media	Spring	6
VISA102	Visual Investigations B	Spring	6
Plus 12 credit points of theory:			
VISA121	Introduction to Critical Theory in Art and Design	Autumn	6
VISA122	Ideas in Practice: Perspectives on Modernism	Spring	6
200-Level			
MEDA201	Time, Space and Data	Autumn	6
VISA201	Visual Investigations C	Autumn	6
MEDA202	System, Play and Interaction	Spring	6
VISA202	Visual Arts Studio D	Spring	6
Plus 12 credit points of theory:			
VISA221	Ideas in Practice: Perspectives on Australian Visual Arts and Design	Autumn	6

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VISA222	The Artist in Contemporary Culture	Spring	6
or			
DESN222	Design Theory	Spring	
300-Level			
MEDA301	Media Arts Workshop	Autumn	6
VISA301	Visual Investigations E	Autumn	6
MEDA302	Media Arts Project	Spring	6
VISA302	Visual Investigations F	Spring	6
Plus 12 credit points of theory:			
DESN321	New Media Theory	Autumn	6
VISA322	Representation and Space in the Post Colonial World	Spring	6
or			
DESN322	Advanced Graphic Design Theory	Spring	6

Bachelor of Creative Arts (Dean's Scholar)

Testamur Title of Degree:	Bachelor of Creative Arts (Dean's Scholar)
Abbreviation:	BCA
Home Faculty:	Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	840A
UAC Code	754610
CRICOS Code:	001709K

Overview

The Dean's Scholars Program is designed with a high level of individual flexibility allowing students to mix programs of study drawn from any two major areas within the Bachelor of Creative Arts degree. Students who achieve high audition/interview attainments in at least two areas of study (Creative Writing, Performance, Sound - Composition and Music Production, Visual Arts, Graphic Design, Media Arts) together with a UAI of 90+ are eligible for the program. To remain in the course, students must complete each year of study with at least a Distinction average (WAM75).

Entry Requirements

Applicants must be prepared to demonstrate their ability (in both theory and artistic practice) to meet the criteria for two proposed majors as determined by interview or audition. No applications (whether made via the UAC or direct to UOW) will be considered unless the student has completed and submitted a Creative Arts application by 26 September 2008. A late fee of $50 will apply for applications submitted after the closing date. Portfolio and/or audition requirements for each major area of study are set out above.

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Bachelor of Creative Arts (Honours)

Testamur Title of Degree:	Bachelor of Creative Arts (Honours)
Abbreviation:	BCA(Hons)
Home Faculty:	Creative Arts
Duration:	1 year full-time or two years part-time
Total Credit Points:	48
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	843
CRICOS Code:	006983G

Overview

Students who have fulfilled the requirements of a Bachelor of Creative Arts and achieved at least a distinction average may apply to undertake an Honours degree in their major area of study. The Honours program is an end-on degree in Creative Arts and provides an opportunity for candidates to develop, to a sophisticated level, established theoretical and practical skills gained during their undergraduate course. In the BCA (Hons) course, the student is given close supervision of both a research topic and a creative presentation. In addition, a weekly research methodology seminar in Autumn Session provides training in advanced research skills specific to disciplines with the creative arts. The course thus provides a pathway to higher research degrees at masters and doctoral levels.

Entry Requirements

Students may apply to enrol in an Honours degree after the requirements of the pass degree have been fulfilled at the prescribed academic standard. Usually a distinction average in practical and theory subjects is required. Admission to Honours is by recommendation of the relevant head of discipline and approval by the Dean or SubDean of the Faculty, as well as acceptance by an academic supervisor in the discipline. Students proceeding directly from a 3-year degree to Honours usually do not graduate until after they have completed Honours. However, it is possible to graduate with a Pass Degree and then decide to undertake Honours at a later date either at the University of Wollongong or at another University. Graduates from other Universities may also apply to undertake Honours at the University of Wollongong.

Course Program

Subjects		Session	Credit Points
CREA401	Minor Thesis in Creative Arts	Annual	24
CREA402	Creative Arts Presentation	Annual	24

Bachelor of Communication and Media Studies - Bachelor of Creative Arts

Testamur Title Of Degree:	Bachelor of Communication and Media Studies Bachelor of Creative Arts
Abbreviation:	BCMS-BCA
Home Faculty:	Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Location:	Wollongong
UOW Course Code:	796
UAC Code	751352
CRICOS Code:	049642F

Overview

In Creative Arts, students take extensive studies in a discipline area. The Bachelor of Communication and Media Studies adds an opportunity to broaden the focus, to acquire skills outside the main areas of the degree and thereby increase its

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marketability. The core of the Bachelor of Communication and Media Studies deals with contemporary issues in politics, communication studies, and media studies, giving students a broad grounding in which to situate their major study.

Entry Requirements

See requirements for separate degrees.

Course Requirements

To qualify for the award of the Bachelor of Communication and Media Studies – Bachelor of Creative Arts, a candidate must:

complete a major in the Bachelor of Creative Arts comprising 108 credit points of core subjects

complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major studies in that degree

complete not more than 90 credit points at 100 level

where necessary, undertake elective subjects from the course structures of the Bachelor of Creative Arts, the Bachelor of Communication and Media Studies, or the General Schedule, to ensure that at least 216 credit points have been completed.

Students must consult both Faculty of Creative Arts and Faculty of Arts academic advisors about selecting appropriate subjects.

Major Study

Students must take one major or specialisation from each degree program. Specialisations in the Bachelor of Communication and Media Studies are:

Advertising and Marketing

Journalism

Media Technology Studies

Screen Studies

For details of the specialisations, refer to the Bachelor of Communication and Media Studies (single degree entry) in the Arts section of the Handbook.

Majors in the Bachelor of Creative Arts: for details of the major studies refer to the Bachelor of Creative Arts (single degree entry).

Honours

A Bachelor of Creative Arts (Honours) degree requires additional study, and may be undertaken by students who meet the requirements for enrolment in Honours. Students should consult the single degree Bachelor of Creative Arts entry for Honours requirements.

Other Information

For further information see Policy Guidelines for Double Degrees at: http://www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Creative Arts - Bachelor of Arts

Testamur Title of Degree:	Bachelor of Creative Arts - Bachelor of Arts
Abbreviation:	BCA-BA
Home Faculty:	Creative Arts
Duration:	At least 4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	720
UAC Code:	751501
CRICOS Code:	028395A

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Arts.

Entry Requirements

See requirements for each degree.

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Course Requirements

Students are required to complete:

a major in the Bachelor of Creative Arts comprising 108 credit points of core subjects

the subjects prescribed for one of the majors in the Bachelor of Arts degree (this will include one major study taught by a member unit of the Faculty of Arts (including Aboriginal Studies) or a major in Psychology or Population Health) and

sufficient elective credit points to ensure a total of 216 credit points is completed

Students must consult both Faculty of Creative Arts and Faculty of Arts academic advisors about selecting appropriate subjects.

Honours

Students who complete the double degree to the required academic standard in the relevant major are eligible to apply for either Bachelor of Creative Arts (Honours) or Bachelor of Arts (Honours).

Other Information

For further information see Policy Guidelines for Double Degrees at: http://www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Creative Arts - Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Creative Arts - Bachelor of Commerce
Abbreviation:	BCA-BCom
Home Faculty:	Creative Arts
Duration:	At least 4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	709
UAC Code:	751502
CRICOS Code:	028396M

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Commerce.

Entry Requirements

See requirements for each degree.

Course Requirements

Students are required to complete:

a major in the Bachelor of Creative Arts comprising 108 credit points of core subjects

a major sequence in the Bachelor of Commerce as prescribed by that Faculty and

sufficient elective credit points to ensure a total of 216 credit points is completed.

Students must consult both Faculty of Creative Arts and Faculty of Commerce academic advisors about selecting appropriate subjects.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible to apply for either Bachelor of Creative Arts (Honours) or Bachelor of Commerce (Honours).

Other Information

For further information see Policy Guidelines for Double Degrees at: http://www.uow.edu.au/handbook/courserules/double_degree.html

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Bachelor of Creative Arts - Bachelor of Science

Testamur Title of Degree:	Bachelor of Creative Arts - Bachelor of Science
Abbreviation:	BCA-BSc
Home Faculty:	Creative Arts
Duration:	At least 4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	845
UAC Code:	751504
CRICOS Code:	031167J

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Science.

Entry Requirements

See requirements for each degree.

Course Requirements

Students are required to complete:

a major in the Bachelor of Creative Arts comprising 108 credit points of core subjects

a major sequence in the Bachelor of Science as prescribed by that Faculty and

sufficient elective credit points to ensure a total of 216 credit points is completed.

Students must consult both Faculty of Creative Arts and Faculty of Science academic advisors about selecting appropriate subjects.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible to apply for either Bachelor of Creative Arts (Honours) or Bachelor of Science (Honours).

Other Information

For further information see Policy Guidelines for Double Degrees at:

http://www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Creative Arts - Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Creative Arts - Bachelor of Computer Science
Abbreviation:	BCA-BCompSc
Home Faculty:	Creative Arts
Duration:	At least 4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	844
UAC Code:	751503
CRICOS Code:	031166K

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Computer Science.

Entry Requirements

See requirements for each degree.

Course Requirements

Students are required to complete:

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a major in the Bachelor of Creative Arts comprising 108 credit points of core subjects

a major sequence in the Bachelor of Computer Science as prescribed by that Faculty and

sufficient elective credit points to ensure a total of 216 credit points is completed.

Students must consult both Faculty of Creative Arts and Faculty of Informatics academic advisors about selecting appropriate subjects.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible to apply for either Bachelor of Creative Arts (Honours) or Bachelor of Computer Science (Honours).

Other Information

For further information see Policy Guidelines for Double Degrees at:

http://www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism – Bachelor of Creative Arts

Please see entry under the Bachelor of Journalism.

Bachelor of Journalism

Testamur Title of Degree:	Bachelor of Journalism
Abbreviation:	BJour
Home Faculty:	Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	852
UAC Codes:	754700
CRICOS Code:	058983K

Overview

The Bachelor of Journalism is a three-year full-time course that caters for students planning a career in journalism or a related field. The course has been designed to provide students with a range of skills that will enable them to work in print, broadcast or online media.

Specific Entry Requirements

Acceptance into the Bachelor of Journalism degree is based upon:

application, including written submission, to be submitted by 26 September 2008

interview (normally held in late November) and

UAI results

Advanced Standing

Students seeking advanced standing are advised to contact the School of Journalism and Creative Writing office for further details.

Course Requirements

The BJ degree requires 3 years of full-time study or part-time equivalent and the completion of subjects to the value of 144 credit points. Students enrolling in the Bachelor of Journalism are required to:

complete at least 108 credit points from the course structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream;*

undertake a 36 credit point series of subjects in a discipline other than Journalism. Of the 36 credit points, not more than 18 may be taken at 100 level and at least 6 must be taken at each of 200 and 300 levels**

ensure that at least 144 credit points have been completed

*Exception: Students who will graduate with a 54 credit point Minor study in Science will be exempted from the three journalism electives.

**Exception: The Faculties of Creative Arts and Science have agreed that students may include a 54 credit point Minor in Science instead of the 36 credit point non-Journalism discipline study. The Science Minor will consist of 54 credit

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points in the Science Schedule and/or physics subjects from the Engineering Schedule including: 12-18 credit points at 100 level, 12-18 credit points at 200 level and 24 credit points at 300 level.

Major Study Program

Subject		Session	Credit Points
100-Level			
JOUR111	Introduction to Journalism	Autumn	6
JOUR112	Theory Meets Practice	Autumn	6
Plus two non-Journalism electives		Autumn	12
DESN190	Graphic Design Fundamentals	Spring	6
JOUR113	Legal and Professional Issues for Journalists	Spring	6
JOUR114	Newsroom Practice (1)	Spring	6
Plus one non-Journalism elective		Spring	6
200-Level			
DESN211	Introduction to Web Design	Autumn	6
JOUR210	Journalism Investigation and Research	Autumn	6
JOUR214	Newsroom Practice (2) – Feature Writing	Autumn	6
Plus one non-Journalism elective		Autumn	6
JOUR215	Convergent Journalism (1)	Spring	6
JOURXXX	First subject in Specialist Stream	Spring	6
Plus one Journalism elective		Spring	6
Plus one non-Journalism elective		Spring	6
300-Level			
JOUR312	Internship	Not on offer in 2008	6
JOUR314	Newsroom Practice (3) – Editing and Production	Not on offer in 2008	6
JOUR315	Convergent Journalism (2)	Not on offer in 2008	6
JOUR320	Journalism Project	Not on offer in 2008	6
JOURYYY	Second subject in Specialist Stream	Not on offer in 2008	6
Plus two Journalism electives		Autumn or Spring	12
Plus one non-Journalism elective		Autumn or Spring	6

Specialist Streams and Electives

Broadcast Journalism: JOUR216 and JOUR316

Print Journalism: JOUR231, JOUR232, JOUR233, JOUR234, JOUR330, JOUR331, JOUR332, JOUR333, JOUR334, JOUR335, JOUR336, LAW348, DESN212

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Bachelor of Journalism - Bachelor of Creative Arts

Testamur Title of Degree:	Bachelor of Journalism Bachelor of Creative Arts
Abbreviation:	BJ-BCA
Home Faculty:	Creative Arts
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	856
UAC Code:	751662
CRICOS Code:	058987F

Overview

A Bachelor of Journalism - Bachelor of Creative Arts double degree will allow students to sharpen the career focus of their studies in Creative Writing, Graphic Design, Media Arts, Visual Arts, Performance or Sound. The addition of an undergraduate journalism degree will facilitate connections with the media industry, both through the journalism internships each student must undertake at 300-level and through the Journalism Advisory Group, composed of academic journalists and industry professionals. The strong career focus of the degrees will embed the Faculty's Teaching and Learning objective: 'To promote student publishing and career opportunities at undergraduate … level' and create a cohort of students from which the Faculty could draw postgraduate journalism students.

Entry Requirements

See requirements for each degree.

Course Requirements

Students are required to:

complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream

complete a major study from the Bachelor of Creative Arts comprising 108 credit points of compulsory subjects as listed in the Course Structures of the Bachelor of Creative Arts and

complete not more than 90 credit points at 100 level.

Other Information

For further information see Policy Guidelines for Double Degrees at: http://www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism - Bachelor of Arts

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Arts
Abbreviation:	BJ-BA
Home Faculty:	Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	853 (Faculty of Arts majors) 853_1 (Faculty of Health & Behavioural Science majors)
UAC Code:	751660
CRICOS Code:	058984J

Overview

The Bachelor of Journalism - Bachelor of Arts enables Arts students wanting careers in journalism to gain the necessary skills and to complement these with studies in Arts and Communication and Media.

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Entry Requirements

See requirements for each degree.

Course Requirements

Students are required to:

complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream

complete at least 108 credit points from the course structures of the Bachelor of Arts in the Faculty of Arts including the requirements of one major study offered by a member unit of the Faculty of Arts*

complete not more than 90 credit points at 100 level and

ensure that at least 216 credit points have been completed.

*Exception: Students majoring in Psychology or Population Health in Arts double degree programs will complete the subjects prescribed for those majors in the course structures of Bachelor of Arts offered by the Faculty of Health and Behavioural Sciences (course code 708) and will be permitted to choose any electives necessary to achieve the 108 credit point total from the course structures of those majors. Those majors will stand as single majors in the BJour-BA as in other double degrees with the Bachelor of Arts.

Students must consult academic advisors from both Faculties about selecting appropriate subjects.

Other Information

For further information see Policy Guidelines for Double Degrees at: http://www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism - Bachelor of Communication and Media Studies

Testamur Title of Degree:	Bachelor of Journalism Bachelor of Communication and Media Studies
Abbreviation:	BJ-BCMS
Home Faculty:	Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	855
UAC Code:	751664
CRICOS Code:	058986G

Overview

The Bachelor of Journalism - Bachelor of Communication and Media Studies enables students wanting careers in journalism to gain the necessary skills and to complement these with studies in Communication and Media.

Entry Requirements

See requirements for each degree.

Course Requirements

Students are required to:

complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream

complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major streams in that degree

complete not more than 90 credit points at 100 level and

where necessary, undertake elective subjects from the Course Structures of the Bachelor of Journalism, or the Bachelor of Communication and Media Studies, or from the General Schedule to ensure that at least 216 credit points have been completed.

Note: Students in the Bachelor of Journalism - Bachelor of Communication and Media Studies may not take the Journalism stream in the BCMS component of the degree.

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Students must consult both the Faculty of Creative Arts and the Faculty of Arts academic advisors about selecting appropriate subjects.

Other Information

For further information see Policy Guidelines for Double Degrees at: http://www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Journalism - Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Commerce
Abbreviation:	BJ-BCom
Home Faculty:	Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	854
UAC Code:	751661
CRICOS Code:	058985G

Overview

The Bachelor of Journalism - Bachelor of Commerce will promote the Commerce Faculty's objective of integrating its disciplines to produce graduates better able to perform in the employment market. Students combining Commerce and Journalism will be able to use their journalism skills – analytical skills, computer skills and project management skills – and their projects in journalism, to integrate their Commerce discipline.

Entry Requirements

See requirements for each degree.

Course Requirements

Students are required to:

complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream

complete subjects from the Bachelor of Commerce, including core subjects, and subjects to satisfy the requirements of one of the Commerce majors

complete not more than 90 credit points at 100-level and

where necessary, undertake elective subjects from the course structures of the Bachelor of Journalism, or the Bachelor of Commerce, or from the General Schedule to ensure that at least 216 credit points have been completed.

Students must consult both the Faculty of Creative Arts and the Faculty of Commerce academic advisors about selecting appropriate subjects.

Other Information

For further information see Policy Guidelines for Double Degrees at: http://www.uow.edu.au/handbook/courserules/double_degree.html

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Bachelor of Journalism - Bachelor of Science

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Science
Abbreviation:	BJ-BSc
Home Faculty:	Creative Arts
Duration:	4.5 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	859 (Faculty of Science majors) 859_1 (Faculty of Health & Behavioural Sciences majors)
UAC Code:	751663
CRICOS Code:	058982M

Overview

The Bachelor of Journalism - Bachelor of Science double degree recognises the value of scientific discoveries to society and the important role the media performs in highlighting and explaining the significance of those discoveries or developments. The decision to offer a double degree with Science also acknowledges that there are employment opportunities in the mainstream media for people who have skills in scientific disciplines. Finally, it acknowledges that scientists may be looking to improve their writing and presentation skills so that they can more effectively present their research in specialist and generalist publications.

Entry Requirements

See requirements for each degree.

Course Requirements

Students are required to:

complete at least 108 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, three journalism electives and subjects required for one Specialist Stream

complete a major from a Bachelor of Science from the Faculty of Science (see entry for the Bachelor of Science in the Faculty of Science) OR the Physics major from the Faculty of Engineering (see entry for the Bachelor of Science (Physics)) OR a major from the Faculty of Health and Behavioural Sciences (see entry for the Bachelor of Science in the Faculty of Health and Behavioural Sciences)

where necessary, undertake elective subjects from the Course Structures of the Bachelor of Journalism, or the Science/ Engineering Physics/ Health and Behavioural Sciences Schedule, or from the General Schedule to ensure that at least 216 credit points have been completed.

Students must consult academic advisors from both Faculties about selecting appropriate subjects.

Other Information

For further information see Policy Guidelines for Double Degrees at: http://www.uow.edu.au/handbook/courserules/double_degree.html

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Bachelor of Journalism - Bachelor of Engineering

Testamur Title of Degree:	Bachelor of Journalism Bachelor of Engineering
Abbreviation:	BJ-BE
Home Faculty:	Creative Arts
Duration:	5.5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	857
UAC Code:	751665
CRICOS Code:	058988E

Overview

The strategic advantages of combining a degree in Journalism with an Engineering degree can be seen from the Dean's description of his Faculty's graduates: 'UOW Faculty of Engineering graduates are not only involved in a wide range of exciting technical projects; they can also run the organisations in which they work. They are problem solvers; they manage projects, people and finances. They are building a sustainable future. As a student and potential engineer, you will be broadly educated so you can adapt to the many changes that will take place during your career.' (Welcome to Engineering: A Message form the Dean of Engineering, Faculty of Engineering Home page www.uow.edu.au/eng/about/welcome.html) Adding Journalism adds flexibility, it adds skills, it adds another dimension to the student's employment portfolio.

Entry Requirements

See requirements for each degree.

Course Requirements

Students are required to:

complete at least 90 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects and subjects required for one Specialist Stream*

complete a total of 174 credit points of Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects, plus the subjects leading to one of the Engineering degrees:

Bachelor of Engineering – Civil Engineering;

Bachelor of Engineering – Environmental Engineering;

Bachelor of Engineering – Materials Engineering;

Bachelor of Engineering – Mechanical Engineering;

Bachelor of Engineering – Mechatronic Engineering;

Bachelor of Engineering – Mining Engineering

complete at least 12 weeks of approved professional engineering experience during the course **

ensure that at least 264 credit points have been completed.

All students must discuss their Engineering program with the relevant Sub Dean.

*Students in the Bachelor of Journalism - Bachelor of Engineering double degree will be exempted from the three journalism electives normally required in the Bachelor of Journalism.

**A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

Other Information

For further information see Policy Guidelines for Double Degrees at: http://www.uow.edu.au/handbook/courserules/double_degree.html

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SUBJECT DESCRIPTIONS

CREA102 Professional Practices 1

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an introduction to the Australian arts and cultural environment. Students will investigate a wide variety of issues including: defining the arts; the role and relevance of the arts in contemporary society; the practitioner and the community; the cultural and personal impact of arts practice; ways of being an artist; and employment and career paths in the arts. The subject will offers an overview of arts funding and policy, and examines the role of professional arts organisations. This subject will include a series of guest lectures by practicing artists and representative of various arts organisations.

CREA202 Professional Practices 2

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 36 credit points at 100 level
Co-requisites: None
Subject Description: This subject extends the study begun in CREA102 and pays detailed attention to the Australian arts and cultural environment at the regional and community level. Specific areas of study will include: arts policy and funding; community arts organisations and outcomes; arts education and practice; the role of the artist in sustaining and developing arts practice and innovation; career paths for the artist in education and/or community- based arts practice. This subject will involve a primary research project.

CREA401 Minor Thesis in Creative Arts

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: Entry to the Honours year shall be determined by the Honours Co-ordinator.
Co-requisites: None
Subject Description: The presentation of a minor thesis in the area of a candidate's major study. Candidates shall select an appropriate Creative Arts topic for research, approved by the the Head of School and the Honours Co-ordinator. Approval shall be subject to the availability of a member of staff with appropriate expertise to supervise and assess progress, and the accessibility of the relevant literature. Thesis work will normally include a critical survey of the available literature. Students will be required to work in close consultation with their supervisor. They will be required to attend a weekly Research Methods Seminar in Autumn session.

CREA402 Creative Arts Presentation

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: CREA401
Co-requisites: CREA401
Subject Description: The presentation of a major exhibition, performance, composition or written folio in the area of a candidate's major study completed in their undergraduate degree. A proposal outlining the proposed submission, its scope, methods of implementation and presentation shall be submitted for approval by the Honours Co-ordinator. Approval is subject to staff availability for supervision and assessment, and the accessibility of relevant resources. Students will be required to work in close consultation with their supervisor.

DESN101 Introduction to Graphic Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Folio/Interview
Co-requisites: VISA121
Exclusions: DESN190
Subject Description: The subject introduces students to graphic design history and the principles and elements of design. Introductory level digital page design, image scanning and image editing for printed media. Emphasis is given to design fundamentals, computer literacy and formal composition.

DESN102 Design for Visual Communications

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN101
Co-requisites: VISA122 and VISA102
Subject Description: This subject examines the design and function of visual identity, logo brands, logotype, information and signage systems and their application to corporate identity and style guides. Emphasis is given to the study of the grammar of graphic design, computer literacy in visual and graphic software and problem solving.

DESN108 Screen Production A: Documentary

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Documentary. Aims to familiarise students with the fundamentals of the language of the screen and to examine how these stylistic techniques shape meaning and guide audience expectations and responses. Students will be provided with basic theoretical and practical knowledge of single camera video production. Practical assignments provide experience in the operation of camera and editing equipment and working in a production crew environment. Project focus is on producing a short documentary.

DESN129 Creative Industries - Design for Interactive Multimedia

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Through a survey of historical and contemporary case studies this subject examines the partnership between creative innovation and commercial application. Within a framework of weekly lectures students will be required to undertake case study research into interactive multimedia and Internet design.

DESN190 Graphic Design Fundamentals

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with DES101

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Subject Description: This subject introduces students to the historical, theoretical and fundamental principles of graphic design. This subject will explore formal composition principles, application of type and image, and approaches to digital layout. Students will explore creative and innovative design solutions to project briefs, and develop fundamental computer literacy.

DESN201 Typography, Type Design and Editorial Illustration

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN102
Co-requisites: VISA221
Subject Description: This unit introduces creative typography, type design and editorial illustration, and their function in graphic design. This subject examines the history of typography and illustration and looks at current trends in their application.

DESN202 Publication Design: For Printed Media

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN201
Co-requisites: DESN222
Subject Description: This unit examines the critical role that grid structure, typography and image placement play in successful editorial/publication design for printed media. Students will be given instruction in multi-page document design using page design software. Emphasis will be given to typographic management for multi-page design. Students will be introduced to team-based collaborative project work, with emphasis on investigating the roles and responsibilities that apply to team-based work within the commercial graphic design environment.

DESN211 Introduction to Web Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN102 or DESN290
Co-requisites: None
Subject Description: This unit explores design concepts and industry issues surrounding interactive design and project production. This focus is on generating innovative design strategies and solutions within an industry best practice context.

DESN212 Advanced Web Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN211
Co-requisites: None
Subject Description: This unit provides students with further critical, conceptual and practical understanding of world wide web design principles. Topics to be covered include; interface and interactive design, and information design. The unit aims to teach a range of technical and conceptual skills needed by the world wide web designer for entry into the industry, including best industry practice.

DESN222 Design Theory

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA221
Co-requisites: None
Subject Description: This subject introduces students to theories and critical writings on design and visual communication. The course covers issues in modernism; critical studies of film and animation; designing audience response; magazine design; fashion; formalist and minimalist theories of late-Modernist design.

DESN290 Introduction to Graphic Design Fundamentals

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24 credit points at 100 level
Co-requisites: None
Exclusions: not to count with DESN190 or DESN101
Subject Description: Introduces students to the historical, theoretical and fundamental principles of graphic design. This subject will explore formal composition principals, application of type and image, and approaches to digital layout. Students will be encouraged to explore creative and innovative design solutions to project briefs, and develop fundamental computer literacy.

DESN291 Creative Industries - Design for Interactive Multimedia

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24 credit points at 100 level
Co-requisites: None
Exclusions: DESN101
Subject Description: Introduces students to the historical, theoretical and fundamental principles of graphic design. Introductory level digital layout, digital image scanning and editing techniques will be explored. Emphasis is given to developing creative and innovative design solutions to project briefs.

DESN301 Commercial Graphic Design Practice A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN202
Co-requisites: DESN321 or VISA321
Subject Description: This unit uses a Design Studio Team model, with students assigned the roles which operate within a design studio. Students are assigned commercial job briefs under the art direction of the lecturer. Clients are selected by the lecturer and students are expected to work within publishing budgets and meet strict production deadlines. Students undertaking this subject will be required to work additional hours outside the subject timetable in order to undertake liaison with clients and coordinate services of commercial printers, pre-press, copywriting and photographic and other production services. Class and group communication in their subject will be conducted, in part, via Web CT.

DESN302 Commercial Graphic Design Practice B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN301
Co-requisites: DESN322
Subject Description: This unit focuses on building a professional design profile and developing a reflective practice. Students may opt to undertake a client based project or a major role in the Graduate Exhibition in place

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of the folio development. Students will be required to nominate which option they intend to take and to develop the selected option in consultation with their supervisor.

DESN311 Interactive Multimedia Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN212 and DESN202
Co-requisites: DESN301 or DESN321
Subject Description: This unit explores the field of interactive design, motion graphics and project production. The focus is on generating innovative design strategies and solutions within an industry best practice context.

DESN312 Advanced Design Project

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN311 or DES 311
Co-requisites: DESN302 or DESN322
Subject Description: This unit offers an advanced level of print and interactive multimedia design and production. The focus is on a self-directed design project that encapsulates the design process and final product development. This unit aims to challenge students to produce a high-level design product that demonstrates the student's abilities in design direction, management and execution.

DESN321 New Media Theory

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN222 or DES 222
Co-requisites: None
Subject Description: This unit introduces students to theories of new media design from analogue to digital (including web and interactive multimedia). Students are directed toward historical and current critical thinking and research resources. Topics covered include: the genealogy of key analogue and digital imaging theories; philosophical influences and analytical methods for investigating new media design products in their social, historical, cultural and political contexts; post-modernism and digital design; the impact of technological convergence on designing the post-human; digital animation and cinema; recent digital design movements and major theorists; critical writings on web design and multimedia design; and relationship of new media design to visual communications.

DESN322 Advanced Graphic Design Theory

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN321 or DES 321
Co-requisites: None
Subject Description: This unit expands on theories of design examined in previous semesters. Students are introduced to historical and current critical thinking and research resources. Topics covered include: historical trends, post-modernism and consumer design; fashion and subculture issues in design; globalization and design; philosophical influences and analytical methods of investigating design products in their social, historical, cultural and political contexts; design movements, theorists and critical writings on design practice.

DESN390 Experimental Digital Art

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: DESN290 or DESN211 or VISA201 or SCMP211
Co-requisites: None
Subject Description: This subject provides an introduction to experimental digital arts practice, with a focus upon developing relevant programming skills. Students gain an understanding of how media is digitally represented and how it can be created, manipulated and choreographed at the code level. This technical understanding is linked to vital contemporary aesthetic issues of system, permutation, interaction, immersion and emergence. This subject avoids positioning digital arts practice as a separate enclave. It explicitly seeks to open up a dialogue with forms of analogue creative practice, encouraging students to reflect upon their analogue practice via the digital (and vice versa), design movements, theorists and critical writings on design practice.

JOUR101 Introduction to Print News Writing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR201
Subject Description: The subject focuses on a generic approach to reporting of straight news for the print media. Topics covered are considered in terms of media law and ethics, they are: summary leads; advanced leads; spot news reporting; reporting from news releases; and copy editing. Students submit one story each week on an assigned topic or based on information sheets handed out during tutorials. Tutorials will focus on news writing and remedial writing exercises, and copy editing.

JOUR102 Journalism Law and Ethics

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR101
Co-requisites: None
Subject Description: This subject examines the legal and ethical frameworks which govern the work of journalists. It considers the nature, effectiveness and administration of media law and ethical codes relevant to journalism, particularly the Media Entertainment and Arts Alliance (MEAA) Code of Ethics and the Australian Press Council's Statement of Principles. Aspects of professional conduct and professional standards considered include guarding against defamation actions; libel laws; breach of privacy; confidentiality; protection of sources; standards of accuracy, anti terrorism legislation, fairness and balance in journalism.

JOUR111 Introduction to Journalism

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Application for the Bachelor of Journalism
Co-requisites: JOUR 112
Exclusions: JOUR 101; JOUR 201
Subject Description: The subject builds on the companion subject JOUR 112. Where JOUR 112 begins by asking the question 'What is journalism?', JOUR 111 commences by asking the question: 'What is news?' This

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subject has a practical focus. Students are introduced to news values, the '5Ws and H' and the inverted pyramid approach to news writing. They are also introduced to fundamental news research and interviewing techniques. While the subject focuses on print news writing, students also receive introductory lectures covering the other media: radio, television, convergent media and blogging. Finally, students are encouraged to take pride in their work through an introduction to editing, ethics and the law - themes that are taken up in later subjects.

JOUR112 Theory Meets Practice

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Application for the Bachelor of Journalism
Co-requisites: JOUR 111
Subject Description: The subject begins by posing a number of questions: 'What is journalism? And what is it that journalists actually do?' It follows up with a discussion of media theory and then moves on to consider a number of questions about news practices. These include: gatekeeping, the socialisation of journalists, framing the news, media effects and writing styles. Workshops will use contemporary and historical case studies to contextualise these issues. Students will be expected to lead the discussion on at least one of the workshop topics.

JOUR113 Legal and Professional Issues for Journalists

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: JOUR 111, JOUR 112 and application for the Bachelor of Journalism
Co-requisites: JOUR 114
Subject Description: This subject begins with a discussion about the foundations of Australia's legal system. The focus then turns to in-depth analysis of the legal land-mines journalists confront. These include contempt, defamation, nuisance, trespass, sedition, obscenity, freedom of information, copyright, broadcast laws and listening devices legislation. Students are also introduced to journalism ethics through a range of topics, including codes of conduct and other regulatory systems, truth and the fairness principle, objectivity and balance. They then discuss a range of ethical issues that can impact on their work as journalists, including deception and fakery, confidentiality of sources, and dealing with identified groups within the community.

JOUR114 Newsroom Practice (1)

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: JOUR 111; JOUR 112 and an application for the Bachelor of Journalism
Co-requisites: JOUR 113
Subject Description: This is the first of the compulsory newsroom subjects. Students will work in a newsroom environment producing stories under the guidance of a staff editor. They will operate within a hierarchical news environment and learn to work both independently and in teams. In this environment they will be expected to generate their own story ideas and contribute to editorial discussions. They will also be required to undertake stories allocated by the editor. Students rotate through a series of rounds that give them exposure to different forms of writing and research. While working on these rounds, they will be required to produce a range of campus-based stories. The emphasis will be on producing well-researched and balanced stories that help to inform the community.

JOUR201 Print Media Reporting

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject focuses on a generic approach to reporting of straight news for the print media. Topics covered are considered in terms of media law and ethics, they are: summary leads; advanced leads; spot news reporting; reporting from news releases; and copy editing. Students submit one story each week on an assigned topic or based on information sheets handed out during tutorials. Tutorials will focus on news writing and remedial writing exercises, and copy editing.

JOUR202 Feature Writing

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: JOUR201 or JOUR101 and completed a minimum of 42 points at 100 level
Co-requisites: None
Subject Description: This subject focuses on story telling techniques for the print media, with consideration given to ethical and legal restraints. Topics covered include: feature story introductions; feature story structures; dialogue and characterisation; scene descriptions; feature length interviews; online and conventional research; developing concepts. Different froms such as profiles; news features; how-to features; reviews and opinion essays will be covered.

JOUR203 Journalism and Society

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: JOUR101 or JOUR201 or any 36 cp WRIT subject (WAM of 75 or above)
Co-requisites: None
Subject Description: This subject examines the social context of the news media, which connects the work of journalists to the society and culture they serve. The subject considers the rights and obligations, context and administration of journalism in respect to citizenship, as espoused in the ethical codes relevant to journalism, particularly the Media Entertainment and Arts Alliance (MEAA) Code of Ethics and the Australian Press Council's Statement of Principles. The subject will look at the role of journalism in explaining the key issues facing society.

JOUR204 Journalism Law and Ethics

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: JOUR101 or JOUR201
Co-requisites: None
Subject Description: This subject examines the legal and ethical frameworks which govern the work of journalists. It considers the nature, effectiveness and administration of media law and ethical codes relevant to journalism, particularly the Media Entertainment and Arts Alliance (MEAA) Code of Ethics and the Australian Press Council's Statement of Principles.

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Aspects of professional conduct and professional standards considered include guarding against defamation actions; libel laws; breach of privacy; confidentiality; protection of sources; standards of accuracy, anti terrorism legislation, fairness and balance in journalism.

JOUR205 Professional Writing 1: Writing for organisations

Not on offer in 2008
Credit Points: 8
Pre-requisites: JOUR 101 or JOUR 201
Co-requisites: None
Subject Description: This subject focuses on writing in an organisational context and explores the varied roles of written communication in public and private sector organizations. The subject will begin with the question of audience and the different communication strategies needed for internal and external communication. Topics and class exercises covered will include: informational writing such as FAQs and short form and long form reports and policy documents; promotional writing such as press releases and brochures and instructional writing such as how-to guides and manuals.

JOUR210 Journalism: Investigation and Research

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (JOUR101 or JOUR201); (JOUR111 or JOUR114)
Co-requisites: None
Subject Description: Students begin with an introductory lecture on the history of investigative journalism and its place in the present. This is followed by a series of practical lectures and workshops on a range of topics, including: using traditional resources to background stories, surfing the web for information, utilising the regulators (ASIC, ACCC, APRA etc), extracting information from government departments using FOI and other strategies. Having considered how and where to locate information, the subject then turns to interpreting it. Lectures and workshops introduce students to database journalism (using spreadsheets and other software packages to interrogate information), interpreting company reports and government budgets. Finally, students consider the legal and ethical issues that investigative journalism tends to generate, before considering how to present the often complex and detailed information they have located and interpreted in a way that makes sense to a general readership.

JOUR214 Newsroom Practice (2) - Feature Writing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290
Co-requisites: JOUR210; DESN211
Subject Description: This is the second of the compulsory newsroom subjects. Students will work in the Journalism newsroom under the guidance of a staff editor. All students will undertake a range of stories, including profiles, obituaries, features on current issues, commentaries, editorials, reviews, and advertorials. The emphasis will be on producing well-researched stories that help to inform the community.

JOUR215 Convergent Journalism (1)

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290
Co-requisites: JOUR210; DESN211
Subject Description: This subject introduces students to the notion of convergent journalism. Students begin by exploring changes in journalism inspired by the development of the World Wide Web and other technologies. In the first part of the semester they will be introduced to broadcast writing and speaking - a style that differs fundamentally from print news writing. Students will also be introduced to broadcast techniques: using a minicam to record images; conducting radio and television interviews; and editing these packages to produce stories that are suitable for online publication or broadcast. Other lectures cover a range of topics, including understanding and using hypertext, building a blog and podcasting. They will develop and maintain a Blog, learn to Podcast and, using a combination of text and images, develop their own web-based publication. This subject, which is undertaken in conjunction with DESN211, leads into JOUR315 in which students will develop advanced skills in convergent journalism.

JOUR216 Introduction to Broadcast Journalism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: All 100 level Journalism subjects; JOUR210; JOUR214; DESN290; DESN211
Co-requisites: JOUR215
Subject Description: Despite the practical focus, this subject has a significant theoretical component, to the extent that it provides students with a solid grounding in the fundamentals required to work in radio, television or convergent journalism. Topics covered include using the voice, writing for radio, interviewing for radio and working with sound and understanding radio news values. They then move on to radio production formats, including a session on presentation and live radio. The latter also provides students with an insight into newsroom relationships. Students then move on to television, where they are introduced to minicams and the requirements of television programs. They will be introduced to the idea of working as a one-person team, in which they determine the story angle, undertake the research, shoot and record the interview, edit and present their final story. They will also be introduced to the legal and ethical constraints of broadcast news.

JOUR231 Political Journalism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: JOUR 111; JOUR 112; JOUR 113; JOUR 114
Co-requisites: JOUR 210; JOUR 214
Subject Description: The subject begins by providing an overview of the relationship between politicians and journalists. It then explores the Australian political system before looking at a range of specific issues such as covering elections, interpreting budgets and other legislation, understanding political parties and other players in the political game. Assessment will be built around the development of advanced research and writing

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skills. The subject is taught as an intensive workshop through a series of simulated news exercises. Work is to be completed both in class and between class.

JOUR232 Photojournalism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: JOUR111, JOUR112, JOUR113, JOUR114
Co-requisites: TBA (will depend on semester offered)
Subject Description: This subject begins with a series of introductory lectures and workshops on photographic techniques. Students are introduced to cameras and basic principles, such as adapting for speed and light. They are then introduced to different forms of photography (indoor and outdoor; action and still, people and animals) and the requirements of different publications (newspapers, news magazines and lifestyle or arts magazines). Students will be introduced to photo-editing programs like Photoshop. Finally, they will have a series of discussions on photo ethics and the law.

JOUR233 Arts Journalism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: JOUR111, JOUR112, JOUR113, JOUR114, JOUR210, JOUR214, JOUR215
Co-requisites: TBA (will depend on session offered)
Subject Description: On successful completion of this subject, students will be able to write a range of arts-based reviews (music, television, book, theatre, exhibition). Students will have the opportunity to apply the writing skills developed in other subjects to the particular requirements of reviewing with a critical difference. With reviews, writers are permitted to infuse their own subjective views into their writing, unlike standard form journalism, which promotes the fundamental tenets of fairness, balance and objectivity. Students will produce both short and long form reviews. They will also produce some live programs, including a movie review and a music review in which they act as DJ.

JOUR234 Lifestyle and Magazine Journalism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN190
Co-requisites: JOUR210; DESN211; JOUR214
Subject Description: This subject will be developed around a number of intensive workshops. The subject content will reflect the interests of the guest lecturers, but will broadly pick up on some of the specialist subject areas identified below. Accordingly, the lecture and workshop content can vary from year to year. Topics include: (1) learning to write with authority, and (2) writing for an audience. Specialist topics could include, but will not be restricted to: fashion, health and fitness, interior design and decorating, wine and cooking, travel, cars, boats, money and specialised collecting, arts and crafts and issues relating to life stages. A variety of feature styles will be explored, including profiles, how-to articles, and columns. The importance of the magazine as a visual medium will also be explored. Because of this, JOUR 234 is likely to appeal to students who are also interested in Arts Journalism (JOUR 233) and Photojournalism (JOUR 232). Each year the areas selected will seek to cater for a range of interests.

JOUR299 Desktop Publishing

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: JOUR101 or JOUR201
Co-requisites: None
Subject Description: The subject covers the basic copy writing principles and focuses on the application of computer-based design layout and typography to independent publishing of newsletters, publicity brochures and magazine. Teaching software includes InDesign and Adobe Photoshop. However, this may change with new industry software becoming available.

JOUR301 Investigative Reporting

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: JOUR101 or JOUR201
Co-requisites: None
Exclusions: JOUR210
Subject Description: This subject extends students' experience in news and feature writing to critical media investigation of community issues. As research involved in investigative reporting is time consuming, students are required to submit 2 major investigative features of 1500 words each for the semester. Investigative stories can be submitted as a group project. Lecture topics include: process of news research by conventional and online media; team investigation; investigative and research techniques; story composition; statistical interpretation; and media law and ethics.

JOUR302 Directed Study/Practice

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: JOUR301
Co-requisites: None
Subject Description: Students in this subject can choose from three different options: (1) a major essay or series of essays totaling 6,000 words based on a directed program of independent study/readings/research, the area of inquiry will be negotiated with the subject coordinator; (2) a portfolio of journalism pieces around a specific beat or theme to be negotiated with the subject co-ordinator, the portfolio will include 4 - 6 pieces totaling 6,000 words; (3) students who have achieved a distinction average in JOUR101/201Print Media Reporting; JOUR202 Feature Writing; and JOUR301 Investigative Reporting can choose a six-week internship program with a news organisation. Internship performance and outcomes will be evaluated by the news organisation and will cover the student's work output and demonstration of journalistic aptitude as described in the evaluation guidelines. At the end of the internship, students are required to submit the evaluation sheets, a log of weekly activities, and a 2000-word reflective essay of their experience. Staff from the School of Journalism and Creative Writing, and Faculty of Arts will supervise the intern but students are expected to play a proactive role in securing their own internship position with an organization of their choice approved by the subject co-ordinator.

JOUR305 Professional Writing 2: Editing and Publication

Not on offer in 2008
Credit Points: 8
Pre-requisites: JOUR205, and JOUR 101 or JOUR 201

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Co-requisites: None
Subject Description: This subject builds on the skills learned in Professional Writing 1 and focuses on developing copy editing skills and principles of design for both print and web publications. Topics covered include: working with text and images, commissioning and rewriting copy, developing copy templates, sub editing, developing style manuals, usability principles and an introduction to working with design and web software.

JOUR311 Newsroom Practice

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: JOUR101 or JOUR201 and JOUR210 or JOUR301
Co-requisites: None
Subject Description: The purpose of this subject is to enable students to work in a daily newsroom environment, initiating, researching and writing a range of news and feature stories. Students will be expected to produce publishable work under deadline pressure. The work will also be expected to meet the required ethical and legal standards. High quality work will be published on the School of Journalism and Creative Writing's web page.

JOUR312 Internship

Not on offer in 2008
Credit Points: 6
Pre-requisites: All 100 level and 200 level core journalism subjects
Co-requisites: Depends on semester taken
Subject Description: The content of this subject will depend on the organisation in which the internship is undertaken. In smaller newsrooms students can expect to be given considerable responsibility, depending on their skill set and willingness to work. In larger organisations, students may be given a mentor and the amount and type of work allocated to the student will often depend on their initiative. Most media organisations will support students in their attempt to get published or broadcast. The key for students is to do all they can to build a portfolio of stories. Students who show considerable initiative - for example by suggesting their own stories - can expect to be given more responsibility and thus better stories than someone who sits quietly at a desk waiting for a story to be allocated. Students will be asked to write a reflective essay based on their experience during the Internship.

JOUR314 Newsroom Practice (3) - Editing and Production

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR111, JOUR112, JOUR113, JOUR114, DESN290,JOUR 214; JOUR 210; JOUR 215
Co-requisites: None
Subject Description: This is the third of the compulsory newsroom subjects. As with JOUR114 and JOUR214, students will begin each day with an editorial conference. In this conference, students will consider the range of stories and photographs they have to work with. In JOUR314, the stories worked on, will have been produced by students working in other subjects, particularly JOUR114 and JOUR214. Students assigned senior editorial positions (editor, news editor, photo editor and layout sub) will also attend the editorial conferences in JOUR114 and JOUR214 to gain an insight into the stories likely to be produced. The editorial team will also have access to students working in JOUR114 and JOUR214. With the agreement of the JOUR114 and JOUR214 staff editors, students not assigned specific weekly tasks, will contribute stories to themed editions being produced by JOUR314 students. Students enrolled in JOUR314 will develop a range of skills, including the ability to edit stories and photographs.

JOUR315 Convergent Journalism (2)

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; JOUR210; DESN211; JOUR215
Co-requisites: None
Subject Description: In this subject students will build on the skills developed in JOUR215 (Introduction to Convergent Journalism) to hone the skills required to work in a convergent newsroom where staff work under tight deadline pressures and are expected to value-add to stories that might appear in a publication's hard-copy version. The subject focuses on the development of audio and audio-visual packages using commercial software programs like Flash. Topics covered include: using drawing tools, simple animation, incorporating movie clips, working with photos, working with sound, working with text, and building slideshows with sound. Students will be expected to develop their own multimedia packages on a range of different topics. They will also play a role in the development and editing of the School's on-line publication.

JOUR316 Advanced Broadcast Journalism

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR210 And JOUR214 And JOUR215 And JOUR216 AND JOUR111 And JOUR112 And JOUR113 And JOUR114
Co-requisites: TBA (will depend on session offered)
Subject Description: On completion of this subject the student will have developed advanced skills in writing, editing, producing and presenting current affairs journalism for the multi-media on-line, television or radio contexts. The subject has been designed to simulate a real working experience that is underpinned by relevant theory. The student journalist will formulate their project into a proposal and then expand the work throughout the project-based-subject in an actual freelance production, with the Subject Coordinator as consulting producer/senior editor. The student will realize the importance of a meticulous approach when developing a feature length broadcast piece. This disciplined process is shared across the multi-media on-line, television or radio current affairs journalism contexts. On completion of the subject students will have acquired advanced skills in scripting material, acquiring digital video and then grammatically sequencing pictures and/or audio for the finished piece. Meaning will be conveyed with clarity and impact while the work retains journalistic integrity, flow, rhythm and style.

JOUR320 Journalism Project

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR111; JOUR112; JOUR113;

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JOUR114; DESN290; DESN211; JOUR210; JOUR214; JOUR215; all 100 and 200 level subjects from non-journalism specialism.
Co-requisites: TBA (will depend on session undertaken)
Subject Description: In this subject students will work in a newsroom environment to write a series of stories on topics or issues that stem from their non-journalism studies. For example, a student studying Geology might write a series of stories on advances in mining exploration techniques or mine safety. A student studying Health and Behavioural Sciences might write a series of stories on health issues such as the discovery of a new vaccine that will treat both Hepatitis C and chronic alcoholism. In short, this subject provides students with an opportunity to embed themselves in another discipline and use the knowledge they have built in that area to help demystify it to the general populace. There are no lectures in this subject. Students, being in the final year of their degree, will work under the direction of a staff editor. They will be required to produce a portfolio of stories on a topic of their own choice. The only stipulation is that the work is produced in a journalistic format and provides a detailed explanation of an issue or series of related issues. Students will be expected to show advanced journalism skills, strong analytical skills in their chosen non-journalism discipline, and the ability to turn a complex topic into a package that can be readily understood by a broad, that is non expert, audience.

JOUR330 Advanced Journalism Research Project

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DES 290; DESN211; JOUR210; JOUR214; JOUR215
Co-requisites: None
Subject Description: Students will be introduced to a range of themes in Journalism research (the range will depend on the interests of staff members). In the initial seminars, students will receive an overview of different research methodologies, including their strengths and weaknesses. Once accepted into a project, students will be required to work both independently and as a member of the team. Responsibilities will include research design, data collection and interpretation. Students will be required to produce a draft of the final report. All students will contribute to the final report and will share ownership of any publishable outcomes. Students will meet with their academic supervisor on a weekly or fortnightly basis (this will depend on the nature of the project and where it is situated in the project cycle).

JOUR331 Literary Journalism

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; DESN211; JOUR210; JOUR214; JOUR215
Co-requisites: None
Subject Description: This subject begins with a series of discussions that focus on the theme: 'the writer, the story, the self.' Students are introduced to Literary Journalism through the work of writers such as Truman Capote, Susan Sontag, Robert Dessaix, Janet Malcolm and John Brendht. Through writing exercises students will develop a personal writing style that shows an individual voice. One of the features of literary journalism is the depth of research that underpins the written product. Another is the ability to conduct complex long form interviews. Students will focus on developing these skills, both through in-class exercises and by researching and writing their own pieces of literary journalism.

JOUR332 Finance Journalism

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; DESN211; JOUR210; JOUR214; JOUR215
Co-requisites: None
Subject Description: The subject begins by providing a series of lectures and workshops on the Australian financial sector. Topics covered will include the role of the government in setting monetary policy, interest rates, inflation, the Australian Stock Exchange, the regulators (Reserve Bank, ACCC, ASIC and APRA), interpreting company reports and balance sheets, and interpreting federal and state budgets. Students will attend workshops in which they will learn to research and write about these topics.

JOUR333 Advanced Journalism Ethics

Not on offer in 2008
Credit Points: 6
Pre-requisites: All core 100 level and 200 level Journalism subjects
Co-requisites: None
Subject Description: The subject begins by posing a number of questions: 'What is ethics? Why should media organisations (and the journalists who work for them) behave ethically? What are the real risks (and costs) when journalists behave badly? The subject them moves on to discuss media coverage of a range of issues (some that the media deal with on a daily basis, some that occur less frequently, but nonetheless pose a number of conundrums for the journalist or media organisation involved). Possible topics include disability, ageism, cultural issues, sexuality, war, politics, sport.

JOUR334 International Journalism

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR111; JOUR112; JOUR113; JOUR114; DESN290; DESN211; JOUR210; JOUR214; JOUR215; JOUR 216;
Co-requisites: TBA (will depend on session offered)
Subject Description: The subject has three principal objectives: (1) to expose students to the dynamics of international news reporting within the context of past debates on a 'new world information order'; (2) to provide students with critical concepts in understanding the impact of international news dissemination on global political economy; and (3) to examine foreign news reporting from a critical perspective by looking at recent cases of 'distorted' reporting. Topics include: the new world information order, empirical studies of international news reporting, breaking the hegemony/imperialism theory in international reporting; clashing theories of the press; reinventing committed journalism; stereotypes in international news reporting; the work of foreign correspondents; and cyber journalism in a fractured world.

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JOUR335 Advanced Publishing and Design

Not on offer in 2008
Credit Points: 6
Pre-requisites: All core 100 level and 200 level Journalism subjects
Co-requisites: None
Subject Description: The subject begins by looking at design principles (balance, symmetry/asymmetry, optical weight, proportion, sequence, emphasis, unity, form and space) to understand how we respond to line, shape, texture, colour, and intricate spatial relationships. Students then study typography, photography, illustration, advanced layout, using colour, proof-reading, printing, and quoting for jobs. Finally, students design and produce an advanced web-based colour magazine using desktop publishing programs.

JOUR336 Advanced Documentary Journalism

Not on offer in 2008
Credit Points: 6
Pre-requisites: JOUR215; JOUR216; JOUR316
Co-requisites: TBA (will depend on session offered)
Subject Description: This subject provides students with an opportunity to value-add to the earlier broadcast and convergent subjects they have undertaken (JOUR216; JOUR316; JOUR215; JOUR315), with a view to developing a longer, more complex documentary. Students will negotiate a topic with their lecturer who will take on a collegial role of senior producer. Students will then work closely with the producer to develop their documentary through its various stages. Student work is corrected, revised and rewritten to develop the necessary systematic, theoretical descriptions or explanations of the processes, technologies, excellence in camera vision and sound and editing language, grammar, styles and structures of today's converging documentary and current affairs. In summary, this subject has been designed to simulate a real working experience that is underpinned by relevant production theory.

MEDA101 Introduction To Media Arts

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Interview and portfolio
Co-requisites: None
Subject Description: This subject provides an introduction to Media Arts. Students gain an overview of the history and defining features of the field and develop fundamental skills in digital media production. The relationship between analogue and digital media is examined and crucial aesthetic concepts such as representation, simulation, narrative, database and interaction are introduced. The practical workshops and assignments provide a means of relating broad theoretical concerns to aspects of creative practice.

MEDA102 Computational Media

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MEDA101
Co-requisites: None
Subject Description: This subject provides an accessible introduction to the field of creative programming. Students gain relevant programming skills within the context of engaging in a series of code-based drawing, animation, and digital media exercises. At a theoretical level, the subject considers historical debates concerning the aesthetic status of creative programming and examines how the field relates to broader tendencies within contemporary art.

MEDA201 Time, Space & Data

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MEDA101 and MEDA102
Co-requisites: None
Subject Description: This subject explores how issues of time and space are conceived and represented within contemporary Media Art. The re-imagination and reconfiguration of photography, film and video is a specific area of focus. The topic provides a focus for students to develop their skills in both traditional media production (composing, recording and editing) and creative programming (the modelling, representation and algorithmic manipulation of aspects of space and time).

MEDA202 System, Play & Interaction

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MEDA101, MEDA102, MEDA201
Co-requisites: None
Subject Description: This subject is concerned with how interaction is conceived and enabled within contemporary Media Art. It examines the rhetoric, aesthetics and cultural politics of interaction, and considers the key paradigms of play, networked communication and artificial life and intelligence. The subject focuses not only on standard mouse and keyboard style interaction but also the expanding field of micro-controller based electronic art. Students produce project work in fields such as software art, alternative gaming and physical computing.

MEDA301 Media Arts Workshop

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MEDA101, MEDA102, MEDA201, MEDA202
Co-requisites: None
Subject Description: This subject enables students to research and gain expertise in a specific field of Media Arts practice. In consultation with the lecturer, students design and propose an individual program of conceptual and practical Media Arts research. A series of class seminars provide a forum for students to report on their research activities and to refine their technical methods and critical-aesthetic perspectives. The subject has an associated professional dimension, considering the institutional context for Media Arts practice and developing skills in proposal-writing, reporting, documentation and critical evaluation.

MEDA302 Media Arts Project

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MEDA101, MEDA102, MEDA201, MEDA202, MEDA301
Co-requisites: None
Subject Description: This subject focuses on the development of an exhibition-ready Media Arts project with an associated critical exegesis. Students are expected to develop professional project applications,

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provide milestone reports and contribute to a set of seminars addressing contemporary issues in Media Arts. Completed projects will be exhibited in the end of year student exhibition. Related to this, the subject will address issues of exhibition, installation and the curatorial handling of Media Arts projects.

PERF102 Studio Practice A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Audition and/or interview
Co-requisites: PERF120 and PERF116
Subject Description: Studio practice A will introduce students to concepts and processes of stage performance and production using techniques developed by performing arts practitioners. Students will examine the methodologies of improvisation, voice production, text analysis, and will engage in the practice of ensemble performance, and production skills. Practical work will be assessed on imagination, experimentation and demonstrated skills.

PERF103 Studio Practice B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF102 and PERF116 and PERF120
Co-requisites: PERF117 and PERF121
Subject Description: Students will participate in the development, rehearsal and performance of a project. The practical nature of this subject provides opportunities for students to apply skills acquired in other areas of the course. A specialist class will also be taken to investigate processes and techniques of performance and theatre making. Students of Production attend a separate specialist class which addresses itself to the specific production tasks and duties presented by the project.

PERF116 Dramaturgy A: Text and Performance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Dramaturgy A introduces the performance student to fundamental concepts of the 'text'. It will provide students with an overview of theatre history from classical Greek drama to post-dramatic theatre, and familiarise students with the application of cultural/-literary theory (semiotics, post-colonial, feminist) in theatre studies and the development of performance theory.

PERF117 Dramaturgy B: Introduction to Genre and Style

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF116
Co-requisites: None
Subject Description: Dramaturgy B introduces the concept of epic theatre and examines its impact on practice, theory and politics in the theatre medium. In doing so, the subject explores the function of style and the role of theatre in public life and culture in different contexts and periods of theatre history.

PERF120 Performance Skills A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Audition and/or interview
Co-requisites: PERF102 and PERF116
Subject Description: This subject provides a range of disciplines from which students can acquire skills appropriate for their development as actors, singers and theatre technicians. Students select four (4) skills classes Available skills are movement, character analysis, advanced singing, singing for theatre, voice, lighting design, sound design, stage management and stage crew.

PERF121 Performance Skills B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF120 and PERF102 and PERF116
Co-requisites: PERF103 and PERF117
Subject Description: This subject provides a range of disciplines from which students can acquire skills appropriate for their development as actors, singers and theatre technicians. Students select four (4) skills classes according to their elected path as performers. Available skills are movement, character analysis, advanced singing, singing for theatre, voice, lighting design, sound design, stage management and stage crew.

PERF202 Studio Practice C

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF103 and PERF121 and PERF117
Co-requisites: PERF220 and PERF216
Subject Description: Studio Practice C is an extension of the work covered in PERF103 Studio Practice B. This subject complements other Performance subjects by providing a workshop environment in which the knowledge acquired in Theory and Skills can be put into practice. The subject's aim is the exploration of conventional rehearsal methodologies and experimental performance practices, in either the interpretation of a set text or score, or by exploring devised performance techniques.

PERF203 Studio Practice D

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF202 and PERF220 and PERF216
Co-requisites: PERF221 and PERF217
Subject Description: PERF203 Studio Practice D provides a workshop environment in which knowledge acquired in the theory and skills subjects can be put into practice. Students will participate in the development, rehearsal and performance of a project taking on creative and technical roles. Projects will introduce a variety of rehearsal methods and theatre practices. A separate specialist class will also be taken to develop strategies in theatre making for performers and students of technical production.

PERF216 Dramaturgy C: European Modernism and Performance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF117
Co-requisites: None
Subject Description: The subject considers the

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responses to modernism by playwrights, composers and performers in Europe in the late 19th and 20th century. It will focus on the development of naturalism and realism and theories of acting, and will touch on the avant-garde movement in this period. Particular attention will be given to the rise of 'the director' in the twentieth century.

PERF217 Dramaturgy D: Australasian Modernism and Performance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF216
Co-requisites: None
Subject Description: The subject considers the responses to modernism and the subsequent concept of postmodernism by playwrights, composers and performers working in Australasia. In this context particular attention will be paid to physical and non-verbal performance styles, as well as the significant European, American, Asian and Indigenous influences on the development of dramaturgy and performance in Australia.

PERF220 Performance Skills C

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF121 and PERF103 and PERF117
Co-requisites: PERF202 and PERF216
Subject Description: This subject provides a range of disciplines from which students can acquire skills appropriate for their development as actors, singers and theatre technicians. Students select four (4) skills classes according to their elected path as performers. Available skills are movement, character analysis, advanced singing, singing for theatre, voice, lighting design, sound design, stage management and stage crew.

PERF221 Performance Skills D

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF220 and PERF202 and PERF216
Co-requisites: PERF203 and PERF217
Subject Description: This subject provides a range of disciplines from which students can acquire skills appropriate for their development as actors, singers and theatre technicians. Students select four (4) skills classes according to their elected path. Available skills are movement, character analysis, advanced singing, singing for theatre, voice, lighting design, sound design, stage management, stage crew.

PERF302 Studio Practice E

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF203 and PERF221 and PERF217
Co-requisites: PERF320 and PERF316
Subject Description: Studio Practice E is an extension of the work covered in PERF203 Studio Practice D. This subject complements other Performance subjects by providing a workshop environment in which the knowledge acquired in Theory and Skills can be put into practice. Studio Practice E is the practical expression of contemporary performance, developing rehearsal methodologies and exploring a variety of theatre practices.

PERF303 Studio Practice F

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF302 and PERF320 and PERF316
Co-requisites: PERF321 and PERF317
Subject Description: This subject complements others in Performance by providing a workshop environment in which knowledge acquired in Theory and Skills can be put into practice. By developing proficiency in production or performance techniques students will further their understanding of the possibilities of performance. This subject will explore various techniques of performance and theatre making based on techniques developed at 200 and 300 Level Studio practice and skills.

PERF316 Dramaturgy E: Comic Traditions and Modes of Performance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF217
Co-requisites: None
Subject Description: Dramaturgy E will analyse the development of comedy from Greek and Roman traditions through to commedia dell'arte, Shakespearean comedy, Restoration comedy, and the manifestation of comic traditions and modes of performance in a contemporary cultural context. It will examine the social and political role of comic forms of theatre and consider theoretical approaches to the study of comedy.

PERF317 Dramaturgy F: Performance and the Avant-garde

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF316
Co-requisites: None
Subject Description: The broad field of practice termed contemporary 'performance' and more recently theorised as post-dramatic theatre will be examined as a partial re-invigoration of avant-garde forms by artists interested in addressing recent developments in philosophy, changes in everyday culture and different conceptions of social and political expression. Particular emphasis will be placed on the shift from dialogue on stage to the dialogue between the performer and spectator that characterises 'new' approaches to the theatre medium. In addition, the subject will consider the criteria used to address recent forms of expression in journalism and other forms of commentary.

PERF320 Performance Skills E

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF203 and PERF217 and PERF221
Co-requisites: PERF302 and PERF316
Subject Description: This subject provides a range of disciplines from which students can construct learning appropriate for their development as actors, singers and theatre technicians. Students select four (4) skills classes according to their elected path as performers. Available skills are movement, character analysis, singing, voice, production, and stage crew.

PERF321 Performance Skills F

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PERF320 and PERF302 and PERF316

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Co-requisites: PERF303 and PERF317
Subject Description: This subject provides a range of disciplines from which students can acquire skills appropriate for their development as actors, singers and theatre technicians. Students select four (4) skills classes according to their elected path. Available skills are movement, character analysis, advanced singing, singing for theatre, voice, lighting design, sound design, stage management, production management.

SCMP101 Investigations in Sound 1: Creative Projects 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Interview/Audition
Co-requisites: SCMP111
Subject Description: This subject allows students to compose small-scale creative projects and to explore techniques for the development and manipulation of materials in a digital environment.

SCMP102 Investigations in Sound 2: Creative Projects 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP101
Co-requisites: SCMP112
Subject Description: This subject builds on a study of techniques of musical composition begun in SCMP 101, and will develop scores in both live performance and pre-recorded genres. Students will work individually on two (2) compositional projects. The subject also aims to develop fluency in the language of critical evaluation in the performance/composition of contemporary music.

SCMP111 Issues in Sound 1: Acoustics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to the fundamentals of musical acoustics.

SCMP112 Issues in Sound 2: Notation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP111
Co-requisites: None
Subject Description: This subject introduces students to both traditional and non-traditional methods of notation using the 'Finale' software package.

SCMP121 Sound Studies 1: Improvisation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Interview/Audition
Co-requisites: SCMP101
Subject Description: This subject allows students to study methodologies of improvisation and develop listening skills, with a view to understanding techniques of composition.

SCMP122 Sound Studies 2: Improvisation 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP121
Co-requisites: SCMP102
Subject Description: This subject allows students to further their studies in the methodologies of improvisation and listening skills. The two hours of lecture in the class will be given to the creation of existent works requiring improvisation that are score-based and have a relationship to text. The seminars may involve guest lecturers and student presentations. All activities will contribute to developing compositional techniques.

SCMP131 Aural Skills

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides intensive training in ear training, sight-singing and basic chordal theory. Students will be guided by a series of exercises through a set workbook and supplemental online resources, and will be instructed in sight-singing in three clefs. Students will be taught how to recognise chords by ear as well as sight, and be able to sight-sing tonal melodies that modulate. They will also be instructed in aural analysis techniques.

SCMP132 Instrument-making: an introduction to basic electronic systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject offers a practical and theoretical introduction to musical instrument-making and provides creative artists working in sound with basic comptency in applied electronics. Students will also be introduced to the tradition of twentieth century composers whose purpose-built instruments are an integral part of their compositional process.

SCMP201 Investigations in Sound 3: Creative Projects 3

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP102
Co-requisites: SCMP221
Subject Description: This subject introduces the concept of polyphony and its application to the creation of various styles of music. Students will create original works employing polyphonic techniques. These works will be of a larger scale than those created in the first year of the course.

SCMP202 Investigations in Sound 4: Creative Projects 4

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP201
Co-requisites: SCMP222
Subject Description: This subject will focus on larger scale sound/music projects. Possibilities will include composing music/sound for video/DVD, more advanced Pro Tools projects, recording and CD projects, and composing for live performance.

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SCMP211 Computer Music 1: Algorithmic Composition

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP112
Co-requisites: None
Exclusions: MUS312
Subject Description: This unit offers an historical, theoretical and practical introduction to algorithmic composition, a term used to describe automated processes for generating music. Since Hiller and Xenakis first composed music notation using computers, it has become a major development in music composition. Algorithmic concepts owe much to the compositional use of electronic signals and processes by the first analogue electronic music composers and as the capabilities of digital computer technology increased, composers have increasingly used computers in live performance. The study of algorithmic composition will use Pure Data, or Pd, an object-oriented composition language developed by Miller Puckette.

SCMP212 Issues in Sound 3: Audio/ Visual Composition

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP211
Co-requisites: None
Subject Description: This unit offers an historical, theoretical and practical introduction to audio/visual composition. Through a series of lectures and practical lab classes students will gain an introduction to the principles of composing in the audio/visual domain. Through the use of digital technologies, each student will produce an audio/visual work for fixed media and an audio/visual work for live performance.

SCMP221 Sound Studies 3: Historical Studies 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP122
Co-requisites: SCMP201
Subject Description: This course examines the history of modern music (since 1945) and its contextualisation in relation to indigenous, national, international technological, historical and social perspectives.

SCMP222 Sound Studies 4: Historical Studies 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP221
Co-requisites: SCMP202
Subject Description: Students will study the history of groundbreaking composers in the first half of the 20th century, concentrating on works for the symphony orchestra and other acoustic ensembles.

SCMP231 Theatre Composition 1

Autumn Wollongong On Campus
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Credit Points: 6
Pre-requisites: None
Co-requisites: SCMP201 or SCMP202
Subject Description: This subject provides a workshop environment in which knowledge acquired in the theory and skills subjects can be put into practice via the preparation for, and presentation of, a public production. A variety of compositional strategies will be explored in relation to live theatre contexts. This subject will develop production techniques and on-stage interaction in the investigation and exploration of strategies in theatre-making and music composition. Students will become part of the creative team that provides music and sound design for School of Music and Drama Theatre productions.

SCMP232 Music for Non-western Instruments

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: SCMP202
Subject Description: This subject provides a workshop environment to teach the technical and potential composition techniques that could be employed when writing music for non-traditional instruments. Both non-western and newly constructed instruments are acceptable tools in this class, which will begin with techniques for koto and gamelan, and branch out into areas of interest shown by students, who will also be encouraged to design their own instruments with idiosyncratic tuning systems.

SCMP301 Investigations in Sound 5: Creative Projects 5

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP202
Co-requisites: SCMP321
Subject Description: In this subject students will compose music for a variety of resources. Opportunities will exist for students to manage aspects of performance and to develop work experience connections. Collaborative and individual projects will be pursued and the course will conclude with a concert performance of students' new work. Students' specialisations will be further encouraged and developed.

SCMP302 Investigations in Sound 6: Creative Projects 6

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP301
Co-requisites: SCMP322
Subject Description: This project-centred subject will concentrate on the creation of two major creative works. Building on skills obtained through previous creative projects, students will examine compositional concepts in the context of expanded media. Students will have the opportunity to work in audio-visual, digital audio, performance-oriented and/or score-based environments.

SCMP311 Issues in Sound 4: Computer Music 4

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP212
Co-requisites: None
Subject Description: This unit offers an advanced study of commercial computer based compositional tools working in combination. The course focuses

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on Pro Tools at professional level, alone and as a 'master' to control multiple 'client' software packages including Reason, PD and Ableton Live.

SCMP312 Computer Music 2: Music Synthesis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP311
Co-requisites: None
Subject Description: This subject is a practical and theoretical introduction to computer music synthesis, composition and performance using Csound. It is presented in the context of work created by contemporary composers who have pioneered new developments in computer music since its origins at Bell Telephone Labs. Students are introduced to the cross-platform, open source software community that fosters the ongoing development of new methods of gestural performance using handheld technology. The practical scope of the subject ranges from introductory note-based Csound synthesis to performance realised using interactive controllers and draws on advanced synthesis methods developed by other composers and researchers. Students are encouraged to download and install Csound.

SCMP321 Sound Studies 5: Professional Practice 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP222
Co-requisites: SCMP301
Subject Description: This subject focuses on professional practices for sound artists including grant writing, networking and project management skills; a residency at a local public school may be the practical outcome of these studies.

SCMP322 Sound Studies 6: Professional Practice 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP321
Co-requisites: SCMP302
Subject Description: This subject continues and develops the professional skills of project management and grant writing begun in SCMP321, with an additional emphasis on the creation of mock 'Artist in Residence' program at a local Public school.

SCMP331 Theatre Composition 2

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SCMP202
Co-requisites: SCMP301 or SCMP302
Subject Description: This subject provides a workshop environment in which knowledge acquired in the theory and skills subjects can be put into practice via the preparation for, and presentation of, a public production. A variety of compositional strategies will be explored in relation to live theatre contexts. This subject will develop production techniques and on-stage interaction in the investigation and exploration of strategies in theatre-making and music composition. Students will become part of the creative team that provides music and sound design for School of Music and Drama Theatre productions.

SCMP332 Microcontrollers for Mobile Media

Not on offer in 2008
Credit Points: 6
Pre-requisites: SCMP132
Co-requisites: None
Subject Description: This is a new subject that offers a practical and theoretical introduction to musical instrument-making and provides creative artists working in sound with basic competency in working with mobile technology. Students will be introduced to the basics of microcontroller hardware and programming, wireless protocol media hardware tradition of twentieth century composers whose purpose-built instruments are an integral part of their compositional process.

THEA290 Theatre Workshop 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: 36cp PERF subjects @ 100 level and Audition
Co-requisites: None
Subject Description: The workshop aims to explore the theatrical process through the study of published scripts, musical scores or newly wriiten or devised work. Specialised performance techniques may be taught in order to access the appropriate style of text or music. Performances will be produced to low level budgets using students' technical and stage management skills. Productions may be presented in Orientation Week.

THEA390 Theatre Workshop 3

Not on offer in 2008
Credit Points: 6
Pre-requisites: 36cp PERF subjects @ 200 level and Audition
Co-requisites: None
Subject Description: The workshop aims to explore the theatrical process through the study of published scripts, musical scores or newly written or devised work. Specialised performance technique may be taught in order to access the appropriate style of the text or music. Performances will be produced to low level budgets using students' technical and stage management skills. Productions may be presented in Orientation Week.

VISA101 Visual Investigations A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Folio of Work/Interview
Co-requisites: VISA103 or DESN101
Subject Description: An introduction to the language of visual art and design through workshops, practical exercises and concept-based projects in which students will explore a range of graphic and visual art media. Digital Image-making, drawing/printmaking, drawing, botanical studies and photography are central to the subject. Field trips to relevant exhibitions and exposure to art and design history and theory will contextualise these studies.

VISA102 Visual Investigations B

Spring Wollongong On Campus
Credit Points: 6

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Pre-requisites: VISA101
Co-requisites: VISA122
Subject Description: This subject develops the language of visual art and design through workshops, practical exercises and concept-based projects in which students will explore a range of graphic and visual art media. Field trips, exhibition visits and exposure to art and design history and theory will contextualise these studies. Emphasis will be placed on developing observational drawing skills.

VISA103 Introduction to Visual Arts Studio A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Folio of Work/Interview
Co-requisites: VISA121
Subject Description: An introduction to concepts, processes and media within the areas of painting, printmaking, textiles and sculpture. The subject will include studio theory, introduction to the use of appropriate media and equipment, set class exercises, self-initiated projects and gallery visits. Practical work will be assessed on the extent and range of work, conceptual development, and experimentation in skills and approach to the medium chosen.

VISA104 Introduction to Visual Arts Studio B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA103
Co-requisites: VISA122
Subject Description: An introduction to concepts, processes and media within the areas of painting, printmaking, textiles and sculpture. The subject will include studio theory, introduction to the use of appropriate media and equipment, set class exercises, self-initiated projects and gallery visits. Practical work will be assessed on the extent and range of work, conceptual development, and experimentation in skills and approach to the medium chosen.

VISA121 Introduction to Critical Theory in Art and Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces visual culture theory as a framework for studying objects, images and media, and approaches to researching and writing about them. It explores the central themes that have shaped European art, craft and design and continue to influence contemporary artists and designers. Through focusing on specific movements and individuals, we study how objects, media and images encode the values, tastes and ideologies of Western culture.

VISA122 Ideas in Practice: Perspectives on Modernism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA121
Co-requisites: None
Subject Description: This subject develops understandings of the innovations, ideas and values of the C19th and C20th international modernist movement. Critical theories introduced in VISA 121 are applied to the analysis of works of art, craft and design, incorporating contemporary perspectives on modernist practices. Through studying the mass-produced and the unique, and patterns of public and private consumption, we consider issues of production and reception in the fields of art, craft and design.

VISA123 Introduction to Aboriginal Arts and Society

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an approach to discovering the rich diversity of Aboriginal art giving consideration to both traditional and new forms of cultural expression. The subject surveys developments in Aboriginal literature, music, performance and the visual arts, focusing on contemporary Aboriginal artists and the contexts in which they practice.

VISA124 Introduction to Photography

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an overview of photographic representation and theories. It introduces the use of 35mm and pinhole camera techniques and provides opportunities to develop an understanding of fundamental digital and/or analogue methods. Students will undertake a self-initiated project in areas of contemporary documentary or creative practice. The subject is delivered through lectures, excursions, demonstrations and workshops.

VISA190 Visual Arts Workshop A

Not on offer in 2008
Credit Points: 6
Pre-requisites: (Folio of Work) or (VISA103) or (VISA104)
Co-requisites: None
Subject Description: Intensive workshops in the visual arts will be offered by professional artists and craftspeople. The workshops offered will depend on the tutors' expertise and availability, but will aim to develop the technical skills and creative potential of each student.

VISA201 Visual Investigations C

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA102
Co-requisites: VISA203
Subject Description: This subject further develops students' technical, visual and conceptual skills in digital media, printmaking, drawing and photography. Emphasis will be placed on the development of independent ideas and a sophisticated visual language, through a visual research assignment, which includes exhibition and major project research. Students will choose one of the four workshops (as above).

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VISA202 Visual Investigations D

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA201
Co-requisites: VISA222 and VISA204
Subject Description: This subject further develops students' technical, visual and conceptual skills in graphic drawing or photographic media. Class work will be thematic with reference to contemporary issues, ideas and art practice. Emphasis will be placed on the development of independent ideas and visual language. Students will elect from one of the following workshops (as available) - photography (advanced black and white, digital printmaking and drawing/animation. Classes will be supported by regular lectures, seminars, reviews and fieldwork.

VISA203 Visual Arts Studio C

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA103 and VISA104
Co-requisites: VISA221 and VISA201
Subject Description: Students will be expected to build on the concepts, techniques and skills acquired in 100 level studies, to develop a growing sense of an individual visual language, and self-reflexivity in their critical abilities. Students will have the opportunity to choose studio areas from painting, textiles (surface design or constructed) and sculpture. Studio theory will expand knowledge of specific histories and contexts of artistic process. The subject will develop an increasing knowledge of the chosen medium through set exercises, gallery visits and self-initiated work.

VISA204 Visual Arts Studio D

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA203
Co-requisites: VISA222
Subject Description: Students will be encouraged to develop further understanding of studio practice and contemporary practice through set exercises, gallery visits and self-initiated work. Students will have the opportunity to choose studio areas from painting, printmaking, sculpture or textiles and become more fluent in the discourse relevant to contemporary arts practice. Students will be encouraged to research in greater depth the historical, modern and contemporary art movements relevant to their work.

VISA221 Ideas in practice: Perspectives on Australian Visual Arts and Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA122
Co-requisites: None
Subject Description: Aspects of art, design and craft in Australia are discussed in relation to critical frameworks that allow us to comprehend our role as producers and consumers of objects. The transition from colonial to modernist movements across visual arts, craft and design is considered through a focus on key historical moments and an understanding of Indigenous art. Concepts of subjectivity in relation to arts practice and research are introduced.

VISA222 The Artist in Contemporary Culture

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA221
Co-requisites: None
Subject Description: This subject examines the role of the artist in relation to contemporary culture, in Australia and internationally. The subject emphasises the relationship of current theoretical issues to practice, exhibition and installation in the visual arts and crafts. Students will research an area of arts practice or an artist/s, which relates to their major study, both through textual and visual research.

VISA241 The Experimental Book

Not on offer in 2008
Credit Points: 6
Pre-requisites: VISA102 or VISA104 or VIS 102 or VIS 104
Co-requisites: None
Subject Description: What is an artist book? What is a livre d'artist? This subject is designed to allow students with an interest in writing and image making to become familiar with this art form through slides, discussion, visits and the making of work. Papermaking and simple book structures will be part of the course and their appropriate use discussed leading up to the making of final works.

VISA290 Visual Arts Workshop B

Not on offer in 2008
Credit Points: 6
Pre-requisites: Folio of Work or VISA 203 or VISA 204 or BMS 101 or VISA 103 or VISA 104
Co-requisites: None
Subject Description: Intensive workshops in the visual arts will be offered by professional artists and craftspeople. The workshops offered will depend on the tutors' expertise and availability, but will aim to develop the technical skills and creative potential of each student.

VISA301 Visual Investigations E

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA202
Co-requisites: VISA303 and VISA321
Subject Description: In a range of visual media (manual, digital and photographic) and formats (including performance and installation) students will investigate areas of visual communication in ways that complement or diversify the concerns of their major studio practice. Individual project proposals will be agreed to in consultation with the appropriate lecturer.

VISA302 Visual Investigations F

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA301
Co-requisites: VISA304 and VISA322
Subject Description: This unit is designed to extend perceptual fundamentals acquired in your previous visual research studies with the aim of consolidating skills that will advantage your studio practice. The course aims to encourage students to critically evaluate their major studio project through the development of analogous works on paper.

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VISA303 Advanced Visual Arts Studio E

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA204
Co-requisites: VISA321
Subject Description: Students may choose to specialise or combine visual arts media. Interdisciplinary work will be encouraged. A self-initiated major project will be developed in consultation with the lecturer and appropriate research undertaken. Students will document their work processes and research, present their work for review on a regular basis and take active part in class reviews, seminars and excursions. Emphasis will be placed on individual development, self-management and awareness of contemporary visual arts issues.

VISA304 Advanced Visual Arts Studio F

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA303
Co-requisites: VISA302 and VISA322
Subject Description: Students may choose to specialise in or combine visual arts media. Interdisciplinary work will be encouraged. A self-initiated major project will be developed in consultation with the lecturer and appropriate research undertaken. Students will document their work processes and research, present their work for review on a regular basis and take active part in class reviews, seminars and excursions. Emphasis will be placed on individual development, self-management and awareness of contemporary visual arts issues.

VISA321 Introduction to Indigenous Art and Visual Culture

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA222
Co-requisites: None
Subject Description: This subject surveys the concept of visual culture as a way of understanding contemporary art, with a particular focus on Indigenous arts in Australia. The importance of underlying traditions is investigated in both Aboriginal and non-Aboriginal arts as well as the social conditions of production, presentation and collection. Both textual and visual research strategies are emphasised in presentation and writing.

VISA322 Representation and Space in Post Colonial World

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: VISA321 or VIS 321
Co-requisites: None
Subject Description: This subject surveys contemporary arts practices, with a focus on Australian and Asian arts in relation to postcolonial ideas. There is an emphasis on reviewing current exhibitions and the use of theoretical perspectives and critical practices appropriate to recent art debates, exhibitions and studio practices.

VISA341 Bookworks

Not on offer in 2008
Credit Points: 6
Pre-requisites: VISA241 or VIS 241
Co-requisites: None
Subject Description: This subject continues the process begun in VIS241 and allows students to engage with the process of building books around ideas or text. More complicated book forms will be examined and the use of alternative materials encouraged. Presentation of the work will be an important part of the final assessment. Visiting artists will be involved in the program and visits will be made to museum collections and exhibitions related to the book form.

VISA350 Introduction to Curatorial Practices

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Interview only
Co-requisites: VISA321 or VISA322 or DESN321 or DESN322
Subject Description: This subject introduces students to key aspects of curatorial practice within visual arts and design disciplines. The subject will focus on developing exhibition concepts, procedures and processes in exhibition management and presentation. We will also explore relevant topics to careers in the arts and as an artist, including portfolio and CV presentation, preparing funding applications and identifying professional pathways and networks. Site visits form an important part of the program.

VISA390 Visual Arts Workshop C

Not on offer in 2008
Credit Points: 6
Pre-requisites: (Folio of Work) or (VISA203) or (VISA204)
Co-requisites: None
Subject Description: Intensive workshops in the visual arts will be offered by professional artists and craftspeople. The workshops offered will depend on the tutors' expertise and availability, but will aim to develop the technical skills and creative potential of each student.

WRIT101 Introduction to Creative Writing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: WRIT111
Subject Description: This subject provides an introduction to the creative writing process for students without a strong background in writing. Students will explore topics such as: finding ideas for writing; language and the writer; the drafting process; the workshop process; editing. Major forms of contemporary writing are explored, including prose fiction, poetry, scriptwriting.

WRIT109 Writing Strategies for Theme and Structure

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Folio of work and interview
Co-requisites: WRIT111 and WRIT119
Subject Description: This subject augments WRIT111 Writing Overview by providing specific writing strategies across the three genres taught in the course: prose, poetry and writing for performance. It also complements the historical/theoretical orientation of WRIT119 Writing Theory: Classicism to Romanticism, by skilling students in methodologies that bridge theory and practice.

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WRIT111 Writing Overview

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Folio of work and interview
Co-requisites: WRIT119
Exclusions: WRIT101
Subject Description: This subject provides an introduction to the creative writing process. Topics include: exploring sources of ideas for writers; language and the writer; the drafting process; the workshop process; editing. The major forms of contemporary writing are explored, including prose fiction, poetry and scriptwriting.

WRIT119 Writing Theory: Classicism to the Gothic

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Folio of work and interview
Co-requisites: WRIT111
Subject Description: This subject examines the tradition of writing theory and its applicability to contemporary writing practice. The subject concentrates on a number of key texts in poetics from Classicism to Romanticism and examines various works (in poetry, prose and drama) which may be seen to exemplify, modify, or challenge these poetics. Students are required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts.

WRIT121 Writing For Stage and Screen

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT111
Co-requisites: WRIT129. Co-requisite waived for BA students specialising in Communication and Cultural Studies who have completed WRIT101
Subject Description: This subject examines the creative use of language in performance, with particular reference to film, television and stage. Through lectures, script workshopping, class discussion and student papers the basic principles of writing for performance are studied and applied. By the end of this subject students will be ready to undertake further specialised studies in writing for stage or screen.

WRIT122 Writing Prose Fiction 100

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT111
Co-requisites: WRIT129
Subject Description: This subject provides an introduction to the writing of prose fiction concentrating on short fiction texts. This subject will consider the options available to an author in the areas of voice and tense and examine various strategies which may be employed in the uses of description, character and dialogue in both realist and non-realist modes. Attention will be paid to conventional and alternative structures. An intensive workshopping of participants' work will operate throughout the subject.

WRIT123 Poetry 100: Introduction to Writing Poetry

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT111
Co-requisites: WRIT129
Subject Description: This subject introduces the writing of poetry, exploring those features that make poetry distinctive from other forms of writing. Emphasis will be on both the student's own writing and the work of a wide range of poets, mainly, though not exclusively, modern.

WRIT129 Theory for Practising Writers: Realism to Modernism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT119
Co-requisites: 6 Credit Points of any WRIT subject
Subject Description: This subject examines the tradition of writing theory and its applicability to contemporary writing practice. The subject concentrates on a number of key texts in poetics from the Modernist period and examines various works (in poetry, prose and drama) which may be seen to exemplify, modify or challenge these poetics. Students will be required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts.

WRIT211 Writing/Performing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 30 cp of WRIT subjects or 36cp of PERF at 100 level
Co-requisites: WRIT219 or PERF216
Subject Description: This subject is for students who want to write and perform their own text. It examines concepts of the body and the 'bodyword' in the course of devising original performance. The monologue is the main form explored. There is an option for students to work with a community arts project.

WRIT212 Writing Prose Fiction 200

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT122
Co-requisites: WRIT219
Subject Description: This subject examines the development of prose fiction writing in both short and extended forms. There will be an ongoing examination of writing strategies in a range of modes, from realism to metafiction and various de-metaphorising texts. An intensive workshopping of participants' work will operate throughout the subject.

WRIT213 Poetry 200: Poetic Forms

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT123
Co-requisites: WRIT229
Subject Description: This subject centres on a wide variety of verse forms (with accompanying metres, word games and devices) both in the student's own work and through looking at poems in English from the 16th Century to the present day. Each class will centre on examples from the above ranging from the most traditional to the most avant-garde. All class members are expected to attempt a variety of these verse forms.

WRIT214 Writing For Theatre 200

Autumn Wollongong On Campus
Credit Points: 6

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Pre-requisites: WRIT121
Co-requisites: WRIT219
Subject Description: Students undertake an investigation of the techniques and theory of writing for the stage and for performance. Linear and non-linear traditions, characterisation, dialogue, and a variety of structures are examined. Students complete a script and undertake theoretical studies relevant to practice. Students are encouraged to master, but also challenge, conventions, and to explore collective modes of writing.

WRIT215 Writing For Film and Television 200

Not on offer in 2008
Credit Points: 6
Pre-requisites: WRIT121
Co-requisites: WRIT219
Subject Description: This subject introduces students to writing for the screen at a professional standard. The main focus is on storytelling for a visual medium with particular attention given to originality, structure,character development and dialogue. The subject explores the practical process from research to initial concept, character development, outline and two draft stages. Students will develop and write a screenplay of their own via this process, a film of 10 to 15 minutes length, which may either be a short film, or the opening sequence of a feature/television screeenplay. To maintain the professional focus, concentration will be placed on the full length film or television script, though the species of the short film will also be covered.

WRIT216 Introduction to Editing for Practising Writers

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 30 cp of WRIT subjects at 100 level
Co-requisites: WRIT229
Subject Description: The subject examines many types of editing: self-editing, journal editing and book editing from the perspective of both the editor and the writer-being-edited. This will include all aspects of the editing process from the simple necessities of house style, style manuals and editorial symbols, through putting together an issue of a magazine, to editorial policy, book structure and consistency.

WRIT218 Introduction to Professional Practice

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 30 credit points of WRIT subjects at 100-level
Co-requisites: WRIT219
Subject Description: This subject will help prepare creative writing students to enter the employment sector at the conclusion of the Creative Arts degree by expanding their industry awareness. Using a rigorous and 'hands on' teaching methodology, this subject aims to provide students with the skill sets needed to bridge the transition between a university degree and the professional world. Students are encouraged to develop a tailored professional skill set to enhance their personal confidence as a practicing writer, develop a clear understanding of relevant professional bodies and how they can foster a career in writing, hone their preparation and presentation skills, develop links to community facilities, manage teams, hold events, as well as apply their writing skill sets to related fields.

WRIT219 Writing Theory: Modernism

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT129
Co-requisites: Any WRIT subject
Subject Description: This subject examines the tradition of writing theory and its applicability to contemporary writing practice. The subject concentrates on a number of key texts in poetics from the Modernist period and examines various works (in poetry, prose and drama) which may be seen to exemplify, modify or challenge these poetics. Students are required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts.

WRIT222 Writing Extended Prose Fiction

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT 212
Co-requisites: WRIT229
Subject Description: This subject seeks to identify a range of structural variants in extended prose works - specifically that of the novella - and to articulate appropriate writing strategies in a spectrum of modes. The first part of the unit will analyse a number of exemplary texts in order to provide a variety of possible modes and instruction will be given in specific techniques for originating and developing material appropriate to the novella form. The latter part of the unit will be spent in intensive workshopping of participants' original work. Upon entry to the unit, participants will be required to submit a plan for an extended prose work. Programs of development will be set in place to meet the particular needs of each project.

WRIT228 Writing For Sound 200

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT121
Co-requisites: WRIT 219
Subject Description: This subject examines the fundamentals of scriptwriting or scoring for sound in both conventional and experimental modes. The subject will examine the creative use of the sound medium in radio drama, documentary and other audio art texts. An intensive workshopping of participants' work will operate in the second part of the subject.

WRIT229 Writing Theory: Modernist Avant-Gardes

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT219
Co-requisites: Any WRIT subject
Subject Description: WRIT229 WRITING THEORY: MODERNIST AVANT-GARDES. theory and its applicability to contemporary writing practice. The unit concentrates on a number of key texts in poetics from the Modernist period, and examines various works (in poetry, prose, drama and film) which may be seen to

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exemplify, modify or challenge these poetics. Students will be required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts.

WRIT312 Advanced Prose Fiction A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT212 or WRIT222
Co-requisites: WRIT319
Subject Description: This subject will concentrate on some of the alternative structures and approaches available to contemporary writers such as magic realism, documentary and biographical fiction, ficto-criticism, the poetic novel. The subject will examine the work of a range of contemporary writers working in a variety of styles and modes. There will be extensive workshopping of students' work. Students may engage in longer fictional forms (novella, novel) developing their work across this subject and WRIT322.

WRIT313 Advanced Poetry A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT213
Co-requisites: WRIT319
Subject Description: This subject seeks to explore the applications of myth in poetry writing. Students experiment with various themes, poetic forms and techniques while examining their personal poetics in relation to those of established poets and the poetic tradition. Writing on and with myths, re-inventing/contemporising traditional mythologies and personal mythmaking will be given special attention.

WRIT314 Writing For Theatre 300

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT214
Co-requisites: WRIT329
Subject Description: This subject is conducted primarily through the development of a script for the stage. Students will also study the practical application of dramatic theory. Workshopping, lectures, tutorial papers and guided discussion will develop skills in conjunction with practical theory, so that students may achieve professional standards. Links with the theatre industry will be encouraged.

WRIT315 Writing For Film and Television 300

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT215
Co-requisites: WRIT319
Subject Description: This subject offers the student the opportunity of developing advanced skills in professional scriptwriting. This is achieved by a close examination of the marketplace, as well as building on previously established scriptwriting tools: a deeper examination of building character, structure, story, genre, tone, location, time and space. The subject examines, the classical as well as less traditional story telling models. Students develop a full length script for the screen in treatment form, either a feature film or television series, from an original idea. The first act of this treatment is then written as a first draft script.

WRIT316 Advanced Editing for Practising Writers

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT216
Co-requisites: WRIT329
Subject Description: This subject will extend students' editing practice through the class compilation of an independent literary 'zine. This subject will focus extensively on the practical side of editing: line-by-line editing, editorial management, and structural editing/layout. As well, style guidelines, editorial symbols, editorial policy, and consistency will all be discussed. Students will closely edit submitted material, keep participation portfolios and sit an editing assessment.

WRIT317 The Writer and the Media

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 66 cp of WRIT subjects
Co-requisites: WRIT319
Subject Description: This subject aims to develop a range of skills necessary for developing writing at a professional level. Issues to be covered include: Writing for the media, dealing with agents and publishing houses, grant applications, participation in writing festivals (as panellist, as featured writer, as reader), and the role of writers' centres and professional organisations.

WRIT319 Writing Theory: Structuralism to the Postmodern

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT229
Co-requisites: Any WRIT subject
Subject Description: This subject examines the tradition of writing theory and its applicability to contemporary writing pracice. The unit concentrates on a number of key texts in poetics from Structuralism to the Postmodern and examines various works (in poetry, prose and drama) which may be seen to exemplify, modify or challenge these poetics. Students are required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts.

WRIT322 Advanced Prose Fiction B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT212 or WRIT222
Co-requisites: WRIT329
Subject Description: This subject will be based around a series of seminars centering on issues such as the uses of history and (auto) biography in fictional texts; inter-textuality and forms of pastiche; lyric subversion; self-referentiality; the 'writing-over' of existing texts.

WRIT323 Advanced Poetry B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT213
Co-requisites: WRIT329
Subject Description: This subject is concerned with narrative poetry: ballads, sequences, dramatic monologues, epics, with the workshopping involving the narratives and/or sequences of the class members.

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WRIT328 Writing For Sound 300 - Scoring and Production

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT228
Co-requisites: WRIT329
Subject Description: This project-based subject provides students with the opportunity to explore and create texts whose purpose is to be performed/assembled in a recorded environment/format. In an initial series of seminars, students will discuss the ongoing development of their own audio texts in the light of specific production stances. Teaching staff will act as both facilitators and technical advisors to students in their creative work. Student work can be either short completed audiotexts or works-in-progress from larger projects, and can be either collaborative (with sound designers and composers) or solo in nature.

WRIT329 Contemporary Theory and the Practising Writer

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: WRIT319
Co-requisites: Any WRIT subject
Subject Description: This subject involves case studies of current writers specifically examining the inter-relationship between theory and practice in their work. Students will be required to reflect (both creatively and analytically) on their ongoing writing practice in the light of these texts and to construct a detailed positioning of their own work.

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Faculty of Education

Degrees Offered

Bachelor of Early Childhood Education

Bachelor of Early Childhood Education (Honours)

Bachelor of Primary Education

Bachelor of Primary Education (Honours)

Bachelor of Physical and Health Education

Bachelor of Physical and Health Education (Honours)

Bachelor of Mathematics Education

Bachelor of Science Education

Bachelor of Education (Early Childhood Education)*

Bachelor of Education in Early Childhood Education (Honours)*

Bachelor of Education (Primary Education)*

Bachelor of Education in Primary Education (Honours)*

Bachelor of Education in Physical and Health Education (Honours)*

*Fourth year programs for students who have completed the Bachelor of Teaching (Early Childhood or Primary) or the Bachelor of Education (Physical and Health Education)

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/index.html

International - www.uow.edu.au/prospective/international/fees/

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Bachelor of Early Childhood Education
Bachelor of Early Childhood Education (Honours)

Testamur Title of Degree:	Bachelor of Early Childhood Education
Abbreviation:	BECEd
Home Faculty:	Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	869
UAC Code:	755111
CRICOS Code:	059748B

Overview

In 2007 the Bachelor of Early Childhood Education replaced the Bachelor of Teaching (Early Childhood) and the 1 year Bachelor of Education (Early Childhood) degrees. The Bachelor of Early Childhood Education program focuses upon developing early childhood teachers as critically reflective teachers and managers who can work with children across the age range 0-8 years in a variety of early childhood settings.

Course content covers: Foundations of Education (psychology, history, sociology, and philosophy of education); Curriculum Studies (e.g. Mathematics, Science, Language, and Creative Arts, in early childhood education); Managing Early Childhood Learning Environments; and Child Development and Care. Practicum and Fieldwork is an ongoing component throughout the course, and students are expected to conduct independent and collaborative inquiry in the field as part of their learning and assessment tasks.

The approach to course delivery emphasise students' autonomy and critical reflection in their learning. Students are involved in problem-solving, field and library research, which is conducted in teams, following input provided by lecturing staff. Teamwork is also used to promote students' interpersonal skills, which is identified as a requirement for early childhood practitioners. A framework that provides scaffolding which is systematically reduced over the four years of the course further aims to develop skills in self-directing team work.

Appropriate arrangements are made to cater for the needs of students not proceeding through the program at the normal rate, as defined in the schedule below.

Advanced Standing

Academic credit of 48 credit points is awarded to students who have completed a Diploma in Social Science (Child Studies) or equivalent.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, and any two units of mathematics as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Professional Experiences

Students enrolled in the Bachelor of Early Childhood Education are required to undertake practicum experiences in the first three years of the degree in prescribed settings: preschool (3 – 5 year old), long day care (birth – 5 year old) and primary school (K – 2 : 5 – 8 year old). In the 4th year students undertake a year long practical project in a setting selected from one of these options. Practical teaching experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney. Opportunities to undertake a practical teaching experience in countries such as China, Fiji, Malaysia and Thailand, or Western NSW areas may also be available.

Prohibited Employment Legislation

Under the Child Protection (Prohibited Employment) Act 1998, all students enrolled in this degree are required to complete a Prohibited Employment Declaration before undertaking any professional experience that involves children or young people.

Literacy Requirements

To satisfy the outcomes of all professional experiences students will require highly developed written and spoken English literacy skills. Students may be required to complete private tuition or courses in English literacy to develop their spoken and written English skills to a level of competency that will enable them to meet professional experience outcomes. These outcomes are required to satisfactorily pass this course.

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Course Program

This is a new course. Students who have commenced the Bachelor of Teaching (Early Childhood) course should refer to the program of study that applied at the time of their enrolment. Information is available on the Faculty of Education web page: http://www.uow.edu.au/educ/

Subjects		Session	Credit Points
Year 1 – Autumn			
ECFE101	Early Childhood Contexts	Autumn	6
ECLL101	Developing Babies and Toddlers Language Interactions	Autumn	6
EDFE101	Educational Foundations 1:Learning & Development	Autumn	6
ECME101	Mathematics in Early Childhood	Autumn	6
Year 1 - Spring			
ECLE102	Early Intervention and Young Children with Special Needs	Spring	6
ECFE102	Play Based, Emergent Curriculum	Spring	6
ECPD102	Observing Children	Spring	6
ECIC102	ICT in Early Childhood Teaching and Learning	Spring	6
Year 2 – Autumn			
EDKP201	PDHPE Content & Pedagogy	Autumn	6
EDCM201	Classroom Management: Creating Positive Learning Environments	Autumn	6
EDFE301	Educational Foundations 3: Sociology and Cultural Studies	Autumn	6
ECKH201	Human Society and Its Environment in Early Childhood	Autumn	6
Year 2 – Spring			
EDKL102	Language and Literacy 1: The Early Years	Spring	6
ECKS202	Science and Technology in Early Childhood	Spring	6
EDAE302	Aboriginal Education	Spring	6
EDKA202	Creative Arts Education	Spring	6
Year 3 – Autumn			
EDLE301	Learners with Exceptional Needs	Autumn	6
ECFM301	Management in Early Childhood	Autumn	6
ECFE301	Historical and Philosophical Perspectives on Early Childhood Education	Autumn	6
ECHW301	Health and Wellbeing in Early Childhood for Staff and Children	Autumn	6
Year 3 – Spring			
ECPD302	Curriculum Planning and Development for Evidence Based Practice	Spring	6
ECCT302	Contemporary Theories in Early Childhood	Spring	6
ECPA302	Working with Adults - Teams and Transitions in Early Childhood	Spring	6
Pick 1 Subject From Elective A as listed below or from 100/200/300 level subjects in the General Schedule			
EDEA302	Exploring Creativity through Dance and Drama	Spring	6
EDEL302	Children's Literature in the Early Years	Spring	6
EDAR302	Advanced Research Methods	Spring	6
EDEM302	Mathematics Elective 1	Spring	6
EDEE302	Education Psychology: Effective Teaching and Learning	Spring	6
EDEI302	Advanced ITC in Education	Spring	6
EDEP302	PDHPE Elective A	Spring	6
EDEC302	The Psychology of Exceptional Children	Spring	6
EDES302	K-6 Science and Technology Elective 1	Spring	6
EDET302	Programming and Methodology in Second Language Teaching	Spring	6
EDER302	Research Project in Education 1	Spring	6

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ECEB302	Physical Care and Development of Babies and Toddlers	Spring	6
EDUE324	Gender and Social Justice	Spring	6
Year 4 – Annual			
ECPD401	Project in Early Childhood	Annual	12
Year 4 - Autumn			
ECFC401	Minor Project in Early Childhood	Autumn	6
ECAL401	Advocacy and Leadership in Early Childhood	Autumn	6
Pick 1 Subject From Elective B as listed below or from 200/300/400 level subjects in the General Schedule			
EDEA401	Exploring Creativity in Music and Movement	Autumn	6
EDEL401	Children's Literature in the Later Primary Years	Autumn	6
EDEI401	Web-based Learning	Autumn	6
EDEM401	Mathematics elective 2	Autumn	6
EDEP401	PDHPE elective B	Autumn	6
EDES401	Science and Technology –Use of ICT to Support Science and Technology	Autumn	6
EDET401	Teaching Speaking and Listening to Second Language Learners	Autumn	6
EDET402	Teaching English in International Context	Autumn	6
EDEY401	Youth, Culture and Education	Autumn	6
Year 4 - Spring			
ECKA402	Creative Arts in Early Childhood Settings	Spring	6
Pick 2 Subjects from Elective C as listed below or from 200/300/400 level subjects in the General Schedule			
EDEA402	Exploring Creativity Through Visual Arts	Spring	6
EDEM402	Mathematics elective 3	Spring	6
EDEL402	Critical Viewing and Production in Primary Years	Spring	6
EDEH402	PDHPE elective - Health Promotion Linking Schools and Community	Spring	6
EDEC402	Programming for Individuals with High Support Needs	Spring	6
EDEV402	Innovation: Technology and the Arts		6
EDEP402	PDHPE: Coaching and Sports Administration	Spring	6
EDET402	Teaching Reading and Writing to Second Language Learners	Spring	6
ECEL402	Early Language and Literacy Development	Spring	6
EDEK401	Teaching Reading and Writing to Second Language Learners	Spring	6

Honours

Students who have achieved a high level of academic performance in the first 3 years of the Bachelor of Early Childhood Education may complete the fourth year of the Bachelor Early Childhood Education at Honours level.

Students admitted to the Honours program will be expected to study over two sessions for a total of 48 credit points.

The program requires the completion of 2 annual subjects, a 24 credit point thesis, ECRT401 – Thesis in Early Childhood, plus ECCR401–Contemporary Research and Issues in Early Childhood 18 credit points, and one elective from 400 level elective offered in the Bachelor of Early Childhood Education Course Structure. Refer to subject listing for further information.

Professional Recognition

The Bachelor of Early Childhood Education is currently under assessment for accreditation by Early Childhood Australia for all three levels mentioned in New South Wales Regulations, the New South Wales Department of Education & Training, the New South Wales Institute of Teachers, the New South Wales Department of Community Services and is a registered VETAB Early Childhood Teacher Education course.

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Bachelor of Primary Education
Bachelor of Primary Education (Honours)

Testamur Title of Degree:	Bachelor of Primary Education
Abbreviation:	BPrimEd
Home Faculty:	Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	879
UAC Code:	755112
CRICOS Code:	059750G

Overview

In 2007 the Bachelor of Primary Education replaced the Bachelor of Teaching and the one year Bachelor of Education (Primary) degrees. This course aims to develop reflective, professional teachers who can work effectively in a variety of educational settings including primary schools in both the public and private sectors. Core subjects are drawn from a number of different areas including: Professional Development, Education Foundation Studies, Teaching and Learning with Technology, Studies in the Key Learning Areas, and Elective Studies. Elective choices are available from both within the Faculty and from the schedules of subjects offered by other Faculties. The course requires students to complete 12 credit points from outside the Faculty of Education. While it is possible to complete the course on a part-time basis, students need to be aware that there could be timetable difficulties. Students intending to attempt the degree part-time should consult with the Director of Primary Education at enrolment.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, and any two units of Mathematics as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Professional Experiences

The course involves in-school and practicum experiences in each year. Practical teaching experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney schools. Opportunities to undertake a practical teaching experience in countries such as China, Fiji, Malaysia and Thailand may also be available.

Prohibited Employment Legislation

Under the Child Protection (Prohibited Employment) Act 1998, all students enrolled in this degree are required to complete a Prohibited Employment Declaration before undertaking any professional experience that involves children or young people.

Literacy Requirements

To satisfy the outcomes of all professional experiences students will require highly developed written and spoken English literacy skills. Students may be required to complete private tuition or courses in English literacy to develop their spoken and written English skills to a level of competency that will enable them to meet professional experience outcomes. These outcomes are required to satisfactorily pass this course.

Course Program

This course began in 2007 and students who have commenced the Bachelor of Teaching course should refer to the program of study that applied at the time of their enrolment. Information is available at the Faculty of Education Web Page. www.uow.edu.au/educ/ Please check with Faculty for additional subjects and any changes.

Course program

Subjects		Session	Credit Points
Year 1 - Autumn			
EDPD101	Professional Development 1: The Learning Environment	Autumn	6
EDFE101	Educational Foundations 1: Learning & Development	Autumn	6
EDIC101	Teaching and Learning with Technology	Autumn	6
EDLL101	Language and Learning	Autumn	6

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Year 1 – Spring			
EDKL102	Language and Literacy 1: The Early Years	Spring	6
EDKM102	Mathematics Content & Pedagogy 1	Spring	6
EDKS102	K-6 Science and Technology: Curriculum and Pedagogy	Spring	6
EDKH102	Human Society and Its Environment: New Times, New Practices	Spring	6
Year 2 – Autumn			
EDCM201	Classroom Management: Creating Positive Learning Environments	Autumn	6
EDKL201	Language & Literacy 2: Teaching Decoding and Encoding Skills	Autumn	6
EDKP201	PD/HPE Content & Pedagogy	Autumn	6
Outside Faculty Elective at 100 level.			
Year 2 - Spring			
EDPS202	Professional Studies II	Spring	12
EDKA202	Creative Arts Education	Spring	6
EDFE202	Educational Foundations 2: Social Cognition & Communication in Learning	Spring	6
Year 3 – Autumn			
EDKM301	Mathematics Content & Pedagogy 2	Autumn	6
EDFE301	Educational Foundations 3: Sociology and Cultural Studies	Autumn	6
EDLE301	Learners with Exceptional Needs	Autumn	6
EDER301	Educational Research & Action Learning	Autumn	6
Year 3 – Spring			
EDKL302	Language & Literacy 3: The Later Primary Years	Spring	6
EDAE302	Aboriginal Education	Spring	6
EDTD302	Teaching for Diversity: G&T/NESB	Spring	6
Pick 1 Subject From Elective A as listed below or from 200/300 level subjects in the General Schedule			
ECEB302	Physical Care and Development of Babies and Toddlers	Spring	6
EDAR302	Advanced Research Methods	Spring	6
EDEA302	Exploring Creativity Through Dance and Drama	Spring	6
EDEC302	The Psychology of Exceptional Children	Spring	6
EDEE302	Education Psychology: Effective Teaching and Learning	Spring	6
EDEI302	Advanced ITC in Education	Spring	6
EDEL302	Children's Literature in the Early Years	Spring	6
EDEM302	Mathematics Elective 1	Spring	6
EDEP302	PDHPE Elective A	Spring	6
EDER302	Research Project in Education 1	Spring	6
EDES302	K-6 Science and Technology Elective 1	Spring	6
EDET302	Programming and Methodology in Second Language Teaching	Spring	6
EDUE324	Gender and Social Justice	Spring	6
Year 4 – Autumn			
EDPD401	Professional Development 3:	Autumn	6
EDSD401	Education for Sustainable Development	Autumn	6
EDFI401	Issues Beyond the Classroom	Autumn	6
Pick 1 Subject From Elective B as listed below or from 200/300/400 level subjects in the General Schedule			
EDEA401	Exploring Creativity in Music and Movement	Autumn	6
EDEI401	Web-based Learning	Autumn	6
EDEL401	Children's Literature in the Later Primary Years	Autumn	6
EDEM401	Mathematics Elective 2	Autumn	6
EDEP401	PDHPE Elective B	Autumn	6
EDER401	Research Project in Education 2	Autumn	6

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EDES401	Science and Technology –Use of ICT to Support Science and Technology	Autumn	6
EDET401	Teaching Speaking and Listening to Second Language Learners	Autumn	6
EDET402	Teaching English in International Contexts	Autumn	6
EDEY401	Youth, Culture and Education	Autumn	6
Year 4 – Spring			
EDPD402	Professional Development 4: Internship	Spring	12
EDIC402	ICT as Cognitive Tools	Spring	6
Pick 1 Subject From Elective C as listed below or from 200/300/400 level subjects in the General Schedule			
ECEL402	Early Language and Literacy Development	Spring	6
EDEA402	Exploring Creativity Through Visual Arts	Spring	6
EDEC402	Programming for Individuals with High Support Needs	Spring	6
EDEH402	PDHPE elective - Health Promotion Linking Schools and Community	Spring	6
EDEL402	Critical Viewing and Production in Primary Years	Spring	6
EDEM402	Mathematics elective 3	Spring	6
EDEP402	PDHPE: Coaching and Sports Administration	Spring	6
EDEK401	Teaching Reading and Writing to Second Language Learners	Spring	6
EDEV402	Innovation: Technology and the Arts	Spring	6

Honours

Students who have achieved a high level of academic performance in the first 3 years of the Bachelor of Primary Education may complete the fourth year of the Bachelor Primary Education at Honours level.

Students admitted to the Bachelor of Primary Education with Honours must enrol in 24 credit point subject EDRT401 - Thesis (annual) EDPD401 Professional Development 3, EDSD401 Education for Sustainable Development and EDPD402 Professional Development 4 – Internship.

Students must have a high level of academic performance to be accepted into the Honours program.

Professional Recognition

The Bachelor of Primary Education degree is currently under assessment for accreditation by the New South Wales Institute of Teachers. On accreditation, the Bachelor of Primary Education will be recognised as a New South Wales Teaching credential and will also be recognised in most other Australian states and territories.

Bachelor of Physical and Health Education
Bachelor of Physical and Health Education (Honours)

Testamur Title of Degree:	Bachelor of Physical and Health Education
Abbreviation:	BPhyHlthEd
Home Faculty:	Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	TBA
UAC Code:	755101
CRICOS Code:	TBA

Overview

This course is intended to provide sound academic and professional training for employment as a physical and health education teacher. In NSW, graduates are employed as secondary teachers of Personal Development, Health and Physical Education. The course normally extends over a minimum period of four years and offers studies in physical education, health education, curriculum and pedagogy, educational foundations and movement science. Students will also study subjects that have a cross-curriculum perspective such as Aboriginal education, information and communication technology, learners with exceptional needs, research action learning and risk and behaviour management. The course requires the aggregation of at least 192 credit points, with 48 credit points normally being undertaken in each year of

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full-time study. The course contains core subjects, the study of which is mandatory and elective subjects, which allow an element of choice for students. It should be noted that:

1. In each of the four years a period of mandatory in-school and practicum experiences in schools is required.
2. Attendance is mandatory at tutorials, laboratory classes and excursions, unless given specific exemption by the Program Director.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Professional Experiences

The course involves in-school and practicum experiences in each year. Practicum experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney schools. Opportunities to undertake a practicum experience in countries such as China, Fiji, Malaysia and Thailand or Western NSW may also be available.

Prohibited Employment Legislation

Under the Child Protection (Prohibited Employment) Act 1998, all students enrolled in this degree are required to complete a Prohibited Employment Declaration before undertaking any professional experience that involves children or young people.

Literacy Requirements

To satisfy the outcomes of all professional experiences students will require highly developed written and spoken English literacy skills. Students may be required to complete private tuition or courses in English literacy to develop their spoken and written English skills to a level of competency that will enable them to meet professional experience outcomes. These outcomes are required to satisfactorily pass this course.

Course Program

Subjects		Session	Credit Points
Year 1 – Autumn			
EDPM101	Foundations of Movement Skill Acquisition	Autumn	6
EDPH101	About Young People	Autumn	6
EDFE101	Educational Foundations 1: Learning and Development	Autumn	6
EDUP131	Systemic Anatomy	Autumn	6
Year 1 – Spring			
EDPM102	Performing & Teaching Rhythmic Movement Activities	Spring	6
EDPH102	Meanings of Health	Spring	6
EDPP102	Foundations of Teaching and Learning in PDHPE	Spring	6
EDIC101	Teaching and Learning with Technology	Spring	6
Year 2 – Autumn			
EDLE301	Learners with Exceptional Needs	Autumn	6
EDPH201	Promoting Wellbeing 1	Autumn	6
EDPP201	Quality Teaching & Learning in Physical and Health Education	Autumn	6
EDUP235	Biomechanics for Educators	Autumn	6
Year 2 – Spring			
EDPM202	Teaching and Learning Net Court, Striking and Target Games	Spring	6
EDPP202	Teachers as Communicators	Spring	6
EDUP234	Exercise Physiology	Spring	6

Plus: Any 6cp elective subject chosen from Elective A from the Bachelor of Physical and Health Education, or any elective from Elective A in the Bachelor of Primary Education (subject to the Primary Director's approval) or a subject chosen from those on offer in any other Faculty in which the student's enrolment is accepted.

Year 3 – Autumn			
EDPM301	Teaching and Learning Invasion Games	Autumn	6
EDPH301	Socio-cultural perspectives on physical activity and physical education	Autumn	6
EDPP301	Curriculum Perspectives in Physical and Health Education	Autumn	6

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EDER301	Educational Research & Action Learning	Autumn	6
Year 3 - Spring			
EDPP302	Risk and Behaviour Management in Physical and Health Education	Spring	6
EDPH302	Promoting Well-being 2	Spring	6
EDAE302	Aboriginal Education	Spring	6

Plus: Any 6cp elective subject chosen from Elective B from the Bachelor of Physical and Health Education, or any elective from Elective A or C in the Bachelor of Primary Education (subject to the Primary Director's approval) or a subject chosen from those on offer in any other Faculty in which the student's enrolment is accepted.

Year 4 – Autumn			
EDPM401	Promoting Lifelong Physical Activity	Autumn	6
EDPH401	Application of Health Education in School and Community Settings	Autumn	6

Plus: Any two 6cp elective subjects chosen from Elective C or D from the Bachelor of Physical and Health Education, or any elective from Elective B in the Bachelor of Primary Education (subject to the Primary Director's approval) or a subject chosen from those on offer in any other Faculty in which the student's enrolment is accepted.

Year 4 – Spring			
EDPP402	Leadership, Management and Professional Learning in Physical and Health Education	Spring	12
EDPP403	Internship	Spring	12

Below is a list of Electives for the Bachelor of Physical and Health Education for 2nd, 3rd and 4th year. They are offered depending on staffing and sufficient enrolments. Enrolment quotas apply to these subjects. Check with the Program Director for further details.

2nd Year Elective A			
EDER302	Research Project in Education	Spring	6
EDPE202	Health Promotion	Spring	6
EDPE203	Principles and Practices of Coaching	Spring	6
EDPE204	Outdoor Education 1	Spring	6
3rd Year Elective B			
EDER302	Research Project in Education	Spring	6
EDPE202	Health Promotion	Spring	6
EDPE203	Principles and Practices of Coaching	Spring	6
EDPE204	Outdoor Education 1	Spring	6
4th Year Elective C			
EDPE401	Sports Studies 1	Autumn	6
EDPE402	Community Placement	Autumn	6
EDPE403	Intervention Skills for Teachers	Autumn	6
EDPE404	Outdoor Education 2	Autumn	6
4th Year Elective D			
EDPE405	Sports Studies 2	Autumn	6
EDPE402	Community Placement	Autumn	6
EDPE403	Intervention Skills for Teachers	Autumn	6
EDPE404	Outdoor Education 2	Autumn	6

Honours

Students who have achieved a high level of academic performance in the first 2.5 years of the Bachelor of Physical and Health Education may complete the year of the Bachelor of Physical & Health Education at Honours level. Students admitted to the Bachelor of Physical and Health Education with Honours must enrol in EDPR401 – Honours Thesis (18 credit points).

Professional Recognition

The Bachelor of Physical & Health Education is recognised as a teaching credential in all Australian states and territories.

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Bachelor of Mathematics Education

Testamur Title of Degree:	Bachelor of Mathematics Education
Abbreviation:	BMathEd
Home Faculty:	Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Loftus
UOW Course Code:	886
UAC Code:	755102
CRICOS Code:	051340B

Overview

The Bachelor of Mathematics Education course is directed towards providing pre-service educational training for secondary teachers. The degree focuses on developing secondary school teachers as critical reflective practitioners with a sound basis of practical teaching skills. In addition, this degree also develops mathematical concepts in a broad range of areas to provide a full Mathematics major in a specialisation of their choice that can be utilised in other community settings. The degree applies an innovative approach to provide students with both the mathematical knowledge/training and the teaching/educational training in an integrated fashion.

Students accepted into the program will study the following areas:

Educational Foundation Studies

Curriculum & Pedagogy

Discipline Studies in Mathematics

Teaching & Learning in Mathematics

The degree is structured to allow the integration of university and classroom experience throughout the course. Degree delivery includes lectures, tutorials, seminars and school-based workshops using alternative modes of delivery.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed Mathematics and any two units of English, or equivalent subjects, as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Professional Experiences

The course involves in-school and practicum experiences in each year. Practicum experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney schools. Opportunities to undertake a practicum experience in countries such as China, Fiji, Malaysia and Thailand or Western NSW may also be available.

Prohibited Employment Legislation

Under the Child Protection (Prohibited Employment) Act 1998, all students enrolled in this degree are required to complete a Prohibited Employment Declaration before undertaking any professional experience that involves children or young people.

Literacy Requirements

To satisfy the outcomes of all professional experiences students will require highly developed written and spoken English literacy skills. Students may be required to complete private tuition or courses in English literacy to develop their spoken and written English skills to a level of competency that will enable them to meet professional experience outcomes. These outcomes are required to satisfactorily pass this course.

Course requirements

To teach Mathematics in NSW Government Schools, students need to have completed a minimum of 12 credit points at 100-level plus 18 credit points at 200-level in Mathematics as part of their teacher training program.

Course Program

For Even Year Intake.

Subjects	Session	Credit Points
Year 1 – Autumn		

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EDUT104	Introduction to Teaching and Learning	Autumn	6
MATH187	Mathematics IA/Part 1	Autumn	6
STAT131	Understanding Variation & Uncertainty	Autumn	6
MATH121	Discrete Mathematics	Autumn	6
Year 1 – Spring			
EDFE101	Education Foundations I: Learning & Development	Spring	6
MATH188	Mathematics 1A/Part 2	Spring	6
CSCI114	Procedural Programming	Spring	6
MATH111	Applied Mathematics Modelling	Spring	6
Year 2 – Autumn			
EDLE301	Learners with Exceptional Needs	Autumn	6
EDUT204	Professional Maths Community 1	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH201	Multivariate & Vector Analysis	Autumn	6
Year 2 – Spring			
EDIC101	Teaching & Learning with Technology	Spring	6
EDFE301	Education Foundations 3: Sociology & Cultural Studies	Spring	6
MATH202	Differential Equations	Spring	6
MATH204	Complex Variables & Group Theory	Spring	6
Year 3 – Autumn			
EDER301	Educational Research and Action Learning	Autumn	6
	MATH 200 Level elective	Autumn	6
	MATH 200 Level elective	Autumn	6
	Elective (100 level) (Selected from the General Schedule of Subjects)	Autumn	6
Year 3 – Spring			
EDUT304	Professional Mathematics Community II	Spring	6
EDUL312	Understanding the Literacy needs of Adolescents	Spring	6
	MATH 200 Level elective	Spring	6
	Elective (100 level) (Selected from the General Schedule of Subjects)	Spring	6
Year 4 – Autumn			
EDUP301	Issues in Health and Physical Activity	Autumn	6
EDUT405	Critical Approaches to Curriculum	Autumn	6
	MATH 300 Level elective	Autumn	6
	MATH 300 Level elective	Autumn	6
Year 4 – Spring			
EDUT404	Professional Mathematics Community III	Spring	12
INFO301	Secure & Reliable Digital Communications	Spring	6
	MATH 300 Level elective	Spring	6

Major Study Areas

Mathematics, educational theory and practice.

Professional Recognition

The Bachelor of Mathematics Education is recognised as a teaching credential in most Australian states and territories, as well as the UK, Asia and Canada.

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Bachelor of Science Education

Testamur Title of Degree:	Bachelor of Science Education
Abbreviation:	BScEd
Home Faculty:	Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Loftus Education Centre
UOW Course Code:	887
UAC Code:	755103
CRICOS Code:	051339F

Overview

The Bachelor of Science Education course is directed towards providing pre-service educational training for secondary teachers. The degree focuses on developing secondary school teachers as critical reflective practitioners with a sound basis of practical teaching skills. In addition, this degree also develops scientific concepts in a broad range of areas to provide a full Science major in a specialisation of their choice that can be applied in other community settings.

The degree applies an innovative approach to provide students with both the scientific knowledge/training and the teaching/educational training in an integrated fashion.

Students accepted into the program will study the following areas:

Educational Foundation Studies

Curriculum & Pedagogy

Discipline Studies in Science

Teaching & Learning in Science

The degree is structured to allow the integration of university and classroom throughout the course. Degree delivery includes lectures, tutorials, seminars and school-based workshops using alternative modes of delivery.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, as part of their HSC or university studies, to gain registration as a teacher.

Assumed Knowledge – Mathematics (not General Mathematics) and any two units of English.

Recommended Studies – Four units of science selected from Chemistry, Physics, Biology or Earth and Environment.

Students with a limited background in these subjects or mathematics are advised to enrol in bridging courses held in February each year.

Course Requirements

Pattern of Study

In choosing subjects for this degree the following points need to be considered:

Students need to complete 12 credit points at the 100 level in three of the four science disciplines on offer in Years 1 and 2. However, students majoring in Physics need to complete 12 credit points at the 100 level in two of the four science disciplines plus 6 credit points at the 100 level in one other science.

To teach in NSW Government Schools students need to have completed a minimum of two years in one science (24 credit points) plus one year in a second science (12 credit points), provided that one of the sciences is either Physics or Chemistry, as part of their teacher training program.

Professional Experiences

The course involves in-school and practicum experiences in each year. Practicum experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney schools. Opportunities to undertake a practicum experience in countries such as China, Fiji, Malaysia and Thailand or Western NSW may also be available.

Prohibited Employment Legislation

Under the Child Protection (Prohibited Employment) Act 1998, all students enrolled in this degree are required to complete a Prohibited Employment Declaration before undertaking any professional experience that involves children or young people.

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Literacy Requirements

To satisfy the outcomes of all professional experiences students will require highly developed written and spoken English literacy skills. Students may be required to complete private tuition or courses in English literacy to develop their spoken and written English skills to a level of competency that will enable them to meet professional experience outcomes. These outcomes are required to satisfactorily pass this course.

Course Program

For Even year intake:

Subjects		Session	Credit Points
Year 1 – Autumn			
EDUT104	Introduction to Teaching and Learning	Autumn	6
MATH141	Mathematics IC/Part 1	Autumn	6
or	Mathematics IA/Part 1 for students taking Physics	Autumn	6
MATH187	General Mathematics 1A	Autumn	6
or	for those without the prerequisite for entry		
MATH151			
Choose 2 of the following 3 subjects – 12 credit points in total			
CHEM101	Intro to Physical/General Chemistry	Autumn	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
Elective	100 Level General Schedule subject	Autumn	6
Year 1 – Spring			
EDFE101	Education Foundations I: Learning & Development	Spring	6
SCIE101	Modern Perspectives in Science	Spring	6
Choose 2 of the following 4 subjects – 12 credit points in total			
CHEM102	Introduction to Physical/Organic Chemistry	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
ELECTIVE	100 level General Schedule subject	Spring	6
MATH142	Mathematics 1C/Part 2	Spring	6
or	or	Spring	6
MATH188	Mathematics 1A/Part 2 (compulsory for students continuing to higher levels in physics)		
	Note: students are required to obtain a minimum credit level to enrol in MATH201		
Year 2 – Autumn			
EDLE301	Learners with Exceptional Needs	Autumn	6
EDUT206	Professional Science Community 1	Autumn	6
Choose 2 of the following 4 subjects – 12 credit points in total			
EESC101	Planet Earth	Autumn	6
ELECTIVE	100 level General Schedule subject	Autumn	6
PHYS141	Physics 1A	Autumn	6
MATH201	Multivariate and Vector Calculus (compulsory for students continuing to higher levels in physics)	Autumn	6
Year 2 – Spring			
EDIC101	Teaching & Learning with Technology	Spring	6
EDFE301	Education Foundations 3: Sociology & Cultural Studies	Spring	6
Choose 2 of the following 4 subjects – 12 credit points in total			
PHYS142	Physics 1B	Spring	6
ELECTIVE			6

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EESC102	Earth, Environment & Resources	Spring	6
MATH202	Differential Equations 2	Spring	6
Elective	(compulsory for students continuing to higher levels in physics)	Spring	6
	from 100 level General Schedule		
Year 3 – Autumn			
EDER301	Educational Research and Action Learning	Autumn	6
Elective	Must be from the Faculty of Education	Autumn	6
OR			
MATH203	Linear Algebra	Autumn	6
	(compulsory for students continuing to higher levels in physics)		
	Science Elective (200 Level)	Autumn	6
	Science Elective (200 Level)	Autumn	6
Year 3 – Spring			
EDUT306	Professional Science Community II	Spring	6
EDUL312	Understanding the Literacy	Spring	6
	Needs of Adolescents		
	Science Elective (200 Level)	Spring	6
	Science Elective (200 Level)	Spring	6
Year 4 – Autumn			
EDUP301	Issues in Health and Physical Activity	Autumn	6
EDUT405	Critical Approaches to Curriculum	Autumn	6
	Science Elective (300 Level)	Autumn	6or8
	Science Elective (300 Level)	Autumn	6or8
Year 4 – Spring			
EDUT406	Professional Science Community III	Spring	12
	Science Elective (300 Level)	Spring	6or8
	Science Elective (300 Level)	Spring	6or8

Major Study Areas

Education theory and practice, science.

Professional Recognition

The Bachelor of Science Education - is recognised as a teaching credential in most Australian states and territories as well as the UK, Asia and Canada.

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Bachelor of Education (Early Childhood Education)

Testamur Title of Degree:	Bachelor of Education (Early Childhood Education)
Abbreviation:	BEd (Early Child)
Home Faculty:	Education
Duration:	1 year full-time or 2 years part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	882
UAC Code:	N/A
CRICOS Code:	012102F

Overview (for student enrolled prior to 2007)

Bachelor of Teaching (Early Childhood Education) graduates may qualify for the award of Bachelor of Education (Early Childhood Education) by completing a fourth year of study. The Bachelor of Education (Early Childhood Education) is designed to develop further the knowledge and skills acquired in the Bachelor of Teaching (Early Childhood Education) and covers 0-8 age range. Some subjects will be offered after 4.30 pm to allow students who are working during the day to take some of their course after school hours. Students who wish to attend university only in the evenings will need to enrol in the part-time mode.

Entry Requirements / Assumed Knowledge

The Bachelor of Education (Early Childhood Education) requires, as a pre-requisite, the successful completion of a Bachelor of Teaching (Early Childhood Education) or its equivalent. Entry is competitive and selection is based on overall academic achievement and performance in practical teaching experiences.

Course Program

Subjects		Session	Credit Points
Year 1 - Annual			
EDUT490	Project in Early Childhood*	Annual	12
Year 1 – Autumn			
EDUT432	Inquiry Project in Education*	Autumn	6
EDUT490 and EDUT432 are compulsory subjects			
*Plus two Elective Studies subjects to be chosen from the list below or from 200-/300-/400- level subjects in the General Schedule. Enrolment quotas apply to these subjects. Subjects that do not have sufficient enrolments will not run.			
EDUA441	Creative Arts Key Learning Area Elective III	Autumn	6
EDUL441	Language Education Key Learning Area Elective III	Autumn	6
EDUM441	Mathematics Education Key Learning Area Elective III	Autumn	6
EDUP444	Personal Development Health and Physical Education Key Learning Area Elective IV	Autumn	6
EDUS411	Science and Technology Education Key Learning Area Elective III	Autumn	6
EDUS441	Human Society and Its Environment Key Learning Area Elective III	Autumn	6
EDUE401	Issues In Aboriginal Education (not to count with EDUE301/ ABST361)	Autumn	6
EDUE405	Assessing Performance in Adult Training	Autumn	6
EDUE407	Inquiry Project in Physical and Health Education	Autumn	6
EDUE408	Placement in Physical and Health Education	Autumn	6
EDUE411	Disability Issues Across the Lifespan	Autumn	6
EDUE413	Managing Multimedia Resources	Autumn	6
EDUE415	School and Community Based Sustainable Development Practices	Autumn	6
EDEK401	Teaching Speaking and Listening to Second Language Learners	Autumn	6
EDET402	Teaching In International Contexts	Autumn	6

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Year 1 – Spring

Plus three Elective Studies subjects to be chosen from the list below or from 200/300/400- level subjects in the General Schedule. Enrolment quotas apply to these subjects. Subjects that do not have sufficient enrolments will not run.

EDUA442	Creative Arts Key Learning Area Elective IV	Spring	6
EDUL442	Language Education Key Learning Area Elective IV	Spring	6
EDUM442	Mathematics Education Key Learning Area Elective IV	Spring	6
EDUP441	Personal Development Health and Physical Education Key Learning Area Elective III	Spring	6
EDUS444	Human Society and Its Environment Key Learning Area Elective IV	Spring	6
EDUE402	Aboriginal Pedagogy(not to count with EDUE302/ABST362)	Spring	6
EDUE407	Inquiry Project in Physical and Health Education	Spring	6
EDUE408	Placement in Physical and Health Education	Spring	6
EDUE412	Programming for Individuals with Moderate to Severe Disabilities	Spring	6
EDUE414	Cognition, Interface and Interactivity	Spring	6
EDUE416	Environmental Education - Through Information Technology	Spring	6
EDET302	Programming and Methodology in Second Language Teaching	Spring	6
EDEK401	Teaching Reading and Writing to Second language Learners	Spring	6

Professional Recognition

The Bachelor of Education (Early Childhood Education) is recognised by Early Childhood Australia for all three levels mentioned in New South Wales Regulations, the New South Wales Department of Education & Training, the New South Wales Department of Community Services and is a registered VETAB Early Childhood Teacher Education course.

Bachelor of Education in Early Childhood Education (Honours)

Testamur Title of Degree:	Bachelor of Education (Early Childhood Education) with Honours
Abbreviation:	BEd (Hons)
Home Faculty:	Education
Duration:	1 year full-time of part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	883
UAC Code:	755111
CRICOS Code:	012102F

Overview (for student enrolled prior to 2007)

Students must have a high level of academic performance to be accepted into the Honours program.

Students admitted to the Honours program will be expected to study over two sessions for a total of 48 credit points.

The program requires the completion of two annual subjects, a 24 credit point thesis, EDUT 496 – Honours Thesis in Early Childhood, , plus EDUT 495 – Selected Topics in Early Childhood Education, and one elective from 400 level elective offered in the Bachelor of Education Course Structure.

Refer to subject listing for further information.

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Bachelor of Education (Primary Education)

Testamur Title of Degree:	Bachelor of Education (Primary Education)
Abbreviation:	BEd (Prim)
Home Faculty:	Education
Duration:	1 year full-time or 2 years part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	871
UAC Code:	N/A
CRICOS Code:	012102F

Overview (for student enrolled prior to 2007)

Bachelor of Teaching (Primary Education) graduates may qualify for the award of Bachelor of Education (Primary Education) by completing a fourth year of study. The Bachelor of Education (Primary Education) is designed to develop further the knowledge and skills acquired in the Bachelor of Teaching (Primary Education). Some subjects will be offered after 4.30 pm to allow students who are working during the day to take some of their course after school hours. Students who wish to attend university only in the evenings will need to enrol in the part-time mode.

Entry Requirements / Assumed Knowledge

The Bachelor of Education (Primary Education) requires, as a pre-requisite, the successful completion of a Bachelor of Teaching (Primary Education) or its equivalent. Entry is competitive and selection is based on overall academic achievement and performance in practical teaching experiences.

Course Program

Subjects		Session	Credit Points
Year 1 - Autumn			
Either			
EDUF421	Leadership and International Perspectives In Education	Autumn	6
Or			
EDUT422	Reflective Practice	Autumn	6
Plus one elective from any part of the Primary program including Key Learning Area electives, Discipline electives or a 200 or higher-level subject chosen from those on offer in any Faculty as well as the Faculty of Education in which the student's enrolment is accepted.			
Plus one subject selected from the following Key Learning Areas subjects.			
EDUA441	Creative Arts Key Learning Area Elective III	Autumn	6
EDUL441	Language Education Key Learning Area Elective III	Autumn	6
EDUM441	Mathematics Education Key Learning Area Elective III	Autumn	6
EDUP444	Personal Development Health and Physical Education Key Learning Area Elective IV	Autumn	6
EDUS411	Science and Technology Education Key Learning Area Elective III	Autumn	6
EDUS441	Human Society and Its Environment Key Learning Area Elective III	Autumn	6
Plus one subject selected from the Discipline Elective Studies subjects listed below.			
EDUE401	Issues In Aboriginal Education (Not to count with EDUE301/ABST361)	Autumn	6
EDUE405	Assessing Performance in Adult Training	Autumn	6
EDUE407	Inquiry Project in Physical and Health Education	Autumn	6
EDUE408	Placement in Physical and Health Education	Autumn	6
EDUE411	Disability Issues Across the Lifespan	Autumn	6
EDUE413	Managing Multimedia Resources	Autumn	6

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EDUE415	School and Community Based Sustainable Development Practices	Autumn	6
EDET401	Teaching Speaking and Listening to Second Language Learners	Autumn	6
EDET402	Teaching English in International Contexts	Autumn	6
EDUT432	Project in Education	Autumn	6
Year 1 - Spring			
Either			
EDUF421	Leadership and International Perspectives In Education	Spring	6
Or			
EDUT422	Reflective Practice	Spring	6

Plus one elective from any part of the Primary program including Key Learning Area electives, Discipline electives or a 200 or higher-level subject chosen from those on offer in any Faculty as well as the Faculty of Education in which the student's enrolment is accepted.

Plus one subject selected from the following Key Learning Area

EDUA442	Creative Arts Key Learning Area Elective IV	Spring	6
EDUL442	Language Education Key Learning Area Elective IV	Spring	6
EDUM442	Mathematics Education Key Learning Area Elective IV	Spring	6
EDUP441	Personal Development Health and Physical Education Key Learning Area Elective III	Spring	6
EDUS444	Human Society and Its Environment Key Learning Area Elective IV	Spring	6

One subject selected from the Disciplines Elective Studies subjects listed below.

EDUE402	Aboriginal Pedagogy (not to count with EDUE302/ ABST362)	Spring	6
EDUE406	Theories of Adult Learning	Spring	6
EDUE407	Inquiry Project in Physical and Health Education	Spring	6
EDUE408	Placement in Physical and Health Education	Spring	6
EDUE412	Programming for Individuals with Moderate to Severe Disabilities	Spring	6
EDUE414	Cognition, Interface and Interactivity	Spring	6
EDUE416	Environmental Education - Through Information Technology	Spring	6
EDET302	Programming and Methodology in Second Language Teaching	Spring	6
EDEK401	Teaching Reading and Writing to second Language Learners	Spring	6
EDUT432	Project in Education	Spring	6

Professional Recognition

The Bachelor of Education (Primary Education) degree is a recognised New South Wales teaching credential.

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Bachelor of Education in Primary Education (Honours)

Testamur Title of Degree:	Bachelor of Education (Primary Education) Honours
Abbreviation:	BEd (Prim) (Hons)
Home Faculty:	Education
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	870
UAC Code:	755112
CRICOS Code:	012102F

Overview (for student enrolled prior to 2007)

Students must have a high level of academic performance to be accepted into the Honours program.

Students admitted to the Bachelor of Education (Primary Education) with Honours must enrol in EDUT 403 - Research Methods in Education in Autumn Session plus a 24 credit point subject EDUT 493 - Thesis (annual) plus 3 subjects chosen from 400 level subjects offered in the Bachelor of Education (Primary Education) course structure.

Bachelor of Education in Physical and Health Education (Honours)

Testamur Title of Degree:	Bachelor of Education (Physical & Health Education) Honours
Abbreviation:	BEd(Hons)
Home Faculty:	Education
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	872
UAC Code:	N/A
CRICOS Code:	012101G

Overview

Students who have achieved a high level of academic performance in the first 3 years of the Bachelor of Education (Physical & Health Education) may complete the fourth year of the Bachelor of Education (Physical & Health Education) at Honours level.

Students admitted to the Bachelor of Education (Physical and Health Education) with Honours must enrol in EDUP430 – Project in Physical and Health Education (annual subject, 12 credit points)

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SUBJECT DESCRIPTIONS

ECAL401 Advocacy and Leadership in Early Childhood

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECPA302 - Working with Adults: Teams and Transitions
Co-requisites: None
Subject Description: This subject will examine the complex responsibilities of early childhood leaders in delivering and advocating for quality programs and services for young children and their families. Recognition will be given to the current context of a market driven, competitive environment in early childhood and the need for specific skills and knowledge required to assist EC teachers as leaders in meeting organizational aims and objectives. Topics include: change management, human resources management, powerful communication, intrapersonal/self awareness, vision-building and sharing, motivation, knowledge-building and mentoring, lobbying & advocacy. There are specific library skills workshops integrated into the subject. Practicing early childhood educators will mentor in this subject.

ECCR401 Contemporary Research and Issues in Early Childhood

Not on offer in 2008
Credit Points: 18
Pre-requisites: None
Co-requisites: None
Exclusions: EDUT495
Subject Description: This subject will examine advanced research methods and deal with advanced theory in early childhood education and currently emerging issues in early childhood practice.

ECCT302 Contemporary Theories in Early Childhood

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDFE101 and EDFE301
Co-requisites: None
Exclusions: EDUF303
Subject Description: Recognising the importance of the quality of interaction of early childhood educators with the children in their care, this subject will provide theoretical background and practical strategies for creating stimulating and safe personal and socio-emotional learning environments. It draws together key theoretical perspectives from sociology and cultural studies with socio-cultural work of theorists such as Vygotsky and Bruner to consider educational issues pertaining to theory and practice. Students will be studying current research on contemporary theories of early childhood education and the implications for promoting optimal learning and development of young children. The topics treated will include the quality of teacher-child interaction; children's self-efficacy and self-regulation; emotional development and resilience; creativity and motivation; peer collaboration; diverse nature of children's abilities, needs and backgrounds; and partnership with families.

ECEB302 Physical Care and Development of Babies and Toddlers

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUE342
Subject Description: This subject will critically examine the physical development of the baby and toddler and how this relates to the achievement of both gross and fine motor skills. Common physical problems that can influence this process will be explored. The subject includes the learning of practical skills to positively influence the baby/toddler's physical motor outcomes in the early childhood centre environment. Constructive play, appropriate day-to-day handling and working with parents and specialist staff will be included.

ECEL402 Early Language and Literacy Development

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject looks at early language development and literacy learning in the first five years of children's lives. Framed by a sociocultural approach to language and literacy learning, this subject emphasises the importance of children's contexts and everyday events that shape their language and literacy practices. The subject provides a strong and comprehensive theoretical perspective from which it identifies and develops teaching strategies, learning experiences, assessment procedures and resources for planning, implementing, evaluating and reflecting upon language and literacy experiences in prior-to-school settings.

ECFC401 Research Project in Education 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUT432 and EDER401
Subject Description: As a generic research project it is anticipated that students will negotiate a project individually with an academic supervisor. The inquiry may involve action research as applied in professional settings. Students will be required to plan, conduct and report upon an inquiry focused on an educational aspect. The focus may be in the Key Learning Area or another area approved by the academic supervisor. Skills in library research and critical analysis of selected educational literature will be developed.

ECFE101 Early Childhood Contexts

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The main objective of Early Childhood Contexts is to help students develop knowledge and understanding of the relationship between the political, economic and social factors influencing contemporary early childhood education and care. An examination of state-wide, national and international developments in policy, practice and research will be

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undertaken with regard to their influences on practices, policies and resources encountered in the wide variety of settings that constitute the field of early childhood education. Quality assurance systems, government regulations, management structures, community support services for families and teachers, changing family structures, resources and contemporary development of theory and authoritative knowledge will be covered. Students will undertake field work one day a week in selected services for families and children.

ECFE102 Play-based Emergent Curriculum

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDFE101
Co-requisites: None
Exclusions: EDUF104
Subject Description: This subject examines the place of play in children's lives and its role in fostering their learning and development. It explores a range of theoretical perspectives on play which highlight the many benefits play brings children. The subject identifies and develops frameworks for using children's play as a basis for implementing emergent curriculum in early childhood settings. Implementing play-enriched learning and play as a vehicle for learning are explored; as are strategies for developing, orchestrating and interacting with children's play, observing and assessing children's learning in their play experiences; and organising and resourcing play-enriched learning environments.

ECFE301 Historical and Philosophical Perspectives in E.C. Education

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDFE301
Co-requisites: None
Exclusions: EDUF313
Subject Description: This subject will critically examine the impact of historical changes and philosophical shifts upon the world of the child and upon the development of services and programs for families and children. The discursive construction of 'early childhood' and the resultant perspectives on education and childrearing in different historical contexts will be discussed and related to the roles of children, families and teachers in family life, schooling, health and other arenas. There are specific library skills workshops integrated into the subject. The Faculty Librarian and University Archivist play an important role in the delivery of the subject components dealing with the development of research skills as well as supporting students in their assignment preparation.

ECFM301 Management in Early Childhood

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECFE101 - Early Childhood Contexts
Co-requisites: None
Subject Description: This subject will examine topics as they relate to management of early childhood, such as industrial issues, budgeting & financial management including ASPARD and grant submission writing, change management through National quality assurance system, policy development & revision, legal responsibilities such as OH&S, use of technology in service management, and day-to-day administration. The delivery strategy of self directed teamwork provides practical experience in group dynamics, conflict resolution, team building and leadership based on the knowledge developed in the pre-requisite subject, Working with Adults. Approaches to course delivery emphasise a student's autonomy and critical reflection in his/her learning. This third year subject is designed to give students an opportunity to consolidate the skills and knowledge in self-direction and teamwork developed through the previous sessions.

ECHW301 Health and Wellbeing in Early Childhood for Staff and Children

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKP201
Co-requisites: None
Subject Description: Opportunities will be provided for students to extend their understandings related to the mental and emotional wellbeing of staff and children. The symptoms and causes of stress will be identified and strategies to handle stress in the workplace will be examined and implemented. Students will acknowledge the importance of creating safe working environments which in turn foster resilient learners and teachers. A number of occupational health and safety issues will be examined, including: Back care, food handling, disease control, administration of medication, handling of dangerous materials.

ECIC102 ICT in Early Childhood teaching and learning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDIT102
Subject Description: The aim of this subject is to develop students' understanding of, and skills in, using modern information technologies to promote the development of young children. Students will explore a variety of developmentally appropriate ways that ICT can be used in early childhood curriculum and play. They will be provided with the opportunity to learn about, and critically reflect on, the support provided by information technology to early childhood educators in their professional activity and career as well as the role of a variety of technologies in creating innovative and engaging learning environments.

ECKA402 Creative Arts Education in Early Childhood Settings

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKA202
Co-requisites: None
Exclusions: EDUA111
Subject Description: This subject explores unique knowledge and concepts of how young children grow and develop in creative ways. Through the creative forms of music, visual arts and movement the philosophical underpinnings of early childhood will be examined. This subject provides opportunities for students to explore the nexus between theory and research through the examination of contemporary theorists in the

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development of creativity in young children. Students will have the opportunity for involvement in practical related experiences in the arts in studio settings.

ECKH201 Human Society and Its Environment and Early Childhood

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUS104
Subject Description: The key topics explored in this subject will include educationally based and will include issues such as policy, pedagogy, unit planning, assessment and evaluation plus issue based topics such as culture and identity, history and futures, environmental sustainability, citizenship, law and order, media and global education. Overall, the subject will challenge learners to explore what new learning, new pedagogies and new times have on our choices when teaching HSIE by addressing the question: what is the role of HSIE in education in the 21st century?

ECKS202 Science and Technology in Early Childhood

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUS213
Subject Description: Science education for early childhood assists students to understand themselves and their environments. It provides opportunities for them to develop independent rational thought and responsible action. It emphasises first hand experiences, inquiry, problem solving and clarifying understandings. This subject emphasises the use of science activities that contribute to the development of young children in early childhood settings. In particular science helps young children to develop relationships with others and the environment to support children's learning and well being according to The Practice of Relationship by NSW Department of Community Services (www.community.nsw.gov.au/ documents/childcare_framework.pdf) for preschool settings and in school settings for stage 1 (K-3).

ECLE102 Early Intervention and Young Children with Special Needs

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUF232
Subject Description: The philosophy of Inclusion and the implementation of Early Intervention is having a strong influence on the services provided for young children with exceptional needs and their families. Young children and their families are now accessing all early childhood settings. It is critical, therefore that all early childhood educators understand and are able to respond to the special needs of these young children and their families. This subject aims to develop an understanding of the need of exceptional children and their families in all early childhood settings. There will be an emphasis on practical strategies and techniques to meet these needs. Also the theory that underpins the inclusion movement and the empowerment of families will also be analysed.

ECLL101 Developing Babies' and Toddlers' Language Interactions

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on developing babies' and toddlers' interactions in early childhood settings. This subject emphasises the importance of recognising the everyday events that engage and foster babies and toddlers' interactions. The subject's theoretical perspective provides students with practical frameworks to guide appropriate and relevant approaches to developing interactions during routines as well as planned and unplanned experiences; and mapping growth and milestones in this aspect of babies' and toddlers' development. The relevance of partnerships with children's families is highlighted, along with strategies for developing such partnerships to help early childhood educators foster young children's interactions.

ECME101 Mathematics in Early Childhood

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUS122
Subject Description: This subject provides the opportunity for Early Childhood pre service teachers to explore the teaching of mathematics in both the prior to school setting and the early years (K-2) of the primary school context in light of current theoretical approaches including the Dimensions of Quality Teaching (NSW Model of Pedagogy NSW Department of Education and Training. 2003) and the 'Count Me in Too' framework (NSW Department of Education and Training. 2004). This subject will focus on developing an understanding of the content and pedagogy which needs to be understood by effective teachers of mathematics in the early childhood setting. Whilst using the NSW Board of Studies Mathematics K-6 syllabus as a springboard, this subject will also look at cross curricula approaches to Mathematics teaching and learning such as incorporating thematic approaches and the use of literature, music, drama and ICT when planning, implementing and reflecting on authentic mathematical learning experiences in early childhood.

ECPA302 Working with Adults - Teams and Transitions

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECFE101 - Early Childhood Contexts
Co-requisites: None
Subject Description: This subject will examine the complex responsibilities of early childhood teachers in working with other adults to deliver quality programs and services to young children and their families. Since early childhood teachers are expected to function as members of teams in most settings in which they work, they must acquire the ability to work with other adults. This subject will prepare early childhood educators to fulfil the roles of organizational communicator, collaborative learner, team worker, (action) researcher and supervisor of staff. Topics including group dynamics, conflict resolution, team building and leadership , human resources management, and effective

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communication with parents and other professionals in a multicultural, global environment will be covered. Approaches to course delivery emphasise a student's autonomy and critical reflection in his/her learning.

ECPD102 Observing children

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDFE101
Co-requisites: None
Exclusions: EDUF106 and EDUF201
Subject Description: Students will develop knowledge of, and skills in a range of observational methods that can be used to document children's development. Methods will include running records, anecdotal records, time and event sampling, checklists and rating scales. Students will explore the developmental areas used to understand children's development. Students are required to develop an awareness of a range of appropriate categories and methods of observation within each developmental area to gain the most accurate and holistic understanding of children's development. Ethical considerations will be addressed. Students will explore practical issues when planning, implementing and evaluating quality learning experiences for children based on observation. This subject it connected to practicum in early childhood settings where the student will be able to apply the knowledge and skills of observing children acquired in the subject. Students will attend the practicum centre one day a week for 10 weeks followed by a three week block.

ECPD302 Curriculum Planning and Development for Evidence-Based Practice

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECFE101 - Early Childhood Contexts
Co-requisites: None
Subject Description: This subject examines contexts, processes and practices related to designing, implementing and evaluating curricula for 0-8 year-olds in prior-to-school and school settings. The subject develops critical and evaluative awareness of the many influences that impact curriculum across different early childhood settings. It examines the notion of evidence-based practice and provides means for planning and implementing such practice in prior-to-school and school settings. Strategies for organising time and space as well as the social environment are considered. Frameworks for planning, implementing and evaluating early childhood curriculum are provided, and their relative appropriateness and effectiveness in different early childhood centres discussed. A component of this subject is a six week practicum usually undertaken as five rolling days followed by a five week block.

ECPD401 Project in Early Childhood

Not on offer in 2008
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Exclusions: EDUT490
Subject Description: This subject deals with the theory and practice of action research in early childhood classrooms and other institutions for young children. Students will undertake an action research project on an approved topic. It should be noted that 'action research' is also known as 'practitioner research' and 'evidence-based reflective practice'.

ECRT401 Early Childhood Honours Thesis

Not on offer in 2008
Credit Points: 24
Pre-requisites: WAM: of at least 75
Co-requisites: None
Exclusions: EDUT496
Subject Description: Student will be required to complete a thesis, based upon a course of supervised study on a topic chosen by the student and approved by the supervisor and the Faculty Research Committee. This thesis can take the form of a qualitative, quantitative, or mixed-mode research project.

EDAE302 Aboriginal Education

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Aboriginal Education offers pre-service teachers an opportunity to individually examine their socially constructed values, attitudes and ideas about Aboriginal Australia and how these manifest into the education setting. Students will explore key themes of colonialism, identity and representation. The subject will examine how these dimensions are embedded into the cultural, political and institutional practices of teachers work. Students will develop an understanding of the historical relationship between Aboriginal and non Aboriginal Australia including the impacts of various government policies and practices, particularly in education. Students will examine key policy directions, including curriculum and pedagogical practices that address the learning needs of Aboriginal students. The NSW Quality Teaching Model and Institute of Teachers Professional Teaching Standards will provide a framework and benchmark for pre-service teachers to develop their professional knowledge, professional practice and professional commitment in the broad field of Aboriginal Education.

EDAR302 Advanced Research Methods

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDER301
Co-requisites: None
Exclusions: EDUT403
Subject Description: This subject will enhance students' knowledge and skills in conducting research in the context of education and related areas. The chief topics include: - The process of problem setting, of generating questions and hypotheses. - The underlying assumptions of a range of research designs and related methodologies and their practical applications as research technologies. Students will be provided with opportunities to develop skills in quantitative and qualitative data gathering techniques in the context of their particular backgrounds and research interests. A modular approach will allow students to follow areas of interest in greater depth.

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EDCM201 Classroom Management: Creating positive learning environments

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will focus on establishing effective learning environments in both classroom and non-classroom settings. It will explore the link between appropriate curriculum, effective teaching and establishing appropriate student behaviour. The subject will also address the use of evidence-based management strategies for working successfully with students, teachers and the whole school community. There will be emphasis on commonly diagnosed behaviour and learning disabilities such as: Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), Opposition Defiant Disorder (ODD), Emotional Disability and Behaviour Disability (ED/BD). Early Childhood students will undertake a three week block practicum in a school as part of the requirements of this subject.

EDEA302 Exploring Creativity through Dance and Drama

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUA224
Subject Description: This subject provides experiences for students through the exploration of the roles, elements and forms of dance and drama in a variety of contexts.

EDEA401 Exploring Creativity in Music and Movement

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKA202
Co-requisites: None
Exclusions: EDUA441
Subject Description: This subject provides experiences for students through the exploration of roles, elements and forms of music in a variety of contexts.

EDEA402 Exploring Creativity Through Visual Arts

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKA202 - Creative Arts Education
Co-requisites: None
Exclusions: EDUA331
Subject Description: Through contemporary Australian art students will explore the role of the artist, the critic and the viewer. This subject will involve making art, appreciating and critically analysing artworks. Student's personal artmaking and appreciating will be broadened through on-site gallery visits and studio experiences. Specifically students will explore the role of the artist (including female artists and contemporary indigenous artists) and alternate ways of looking.

EDEC302 The Psychology of Exceptional Children

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDFE101&EDFE301 (ED students) or 12cp at 100 level for Arts students
Co-requisites: None
Exclusions: EDUE322 and EDUC217
Subject Description: This subject applies psychological areas of research and theory to children with exceptionalities. It examines a range of exceptionalities, such as AD(H)D, Cerebral Palsy, Challenging Behaviour and Gifted and Talented. Also, contentious areas in the area of study are addressed through a series of debates. The emphasis is on using up to date research to achieve a synthesis of psychological constructs and understanding of the needs of children with exceptionalities in education settings.

EDEC402 Programming for Individuals with Higher Needs

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDLE301 - Learners With Exceptional Needs
Co-requisites: None
Exclusions: EDUF412
Subject Description: This subject examines up to date teaching strategies and individualised assessment techniques for children with special needs in the high support needs end of the spectrum. The topics covered a range of special needs in a range of settings where children with high support needs have been enrolled. All students will need to show proficiency in individualising programming and conducting a functional behavioural assessment. They will also have to undertake a voluntary practicum in a setting where educational services are offered to children with high support needs.

EDEE302 Educational Psychology Effective Teaching & Learning

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDFE101 and EDFE202 or 12 credit points of related 100 level study
Co-requisites: None
Exclusions: EDUE323 and EDUC213
Subject Description: The focus of this elective subject is on the cognitive, emotional and social needs of children within contemporary Australian school settings and on strategies that promote a supportive learning environment for all students. Topics cover major theories of development, the processes involved in learning and a range of personal and social factors that affect the engagement of students with learning activities. This subject aims to provide an understanding of the relationships between theory, research and practice in the field of educational psychology.

EDEH402 PDHPE Elective - Health Promotion: Linking School and Community

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUC308 - PDHPE Health Promotion
Subject Description: The theoretical background that underpins health promotion will be studied along

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with the latest research that reinforces the notion of health promotion. This subject will examine the concept of health promotion with direct links to the K-6 PDHPE syllabus. The emphasis will be on students acquiring skills in program development and implementation. The Health Promoting Schools framework will be the basis for examining how the school and community can work together to implement effective health promotion programs for children. Content will include: sociocultural factors affecting health; global, national, state and local health promotion initiatives; types of health promotion; health promotion models; and evaluating health promotion initiatives.

EDEI401 Web-based Learning

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDIC101 or equivalent
Co-requisites: None
Subject Description: The subject, Web-based learning, will allow students to develop in-depth knowledge and skills related to the use of internet technologies in facilitating Primary students' learning. Students will plan and develop a web-based learning environment (including design principles related to tasks, resources, supports, and assessment). Students will also explore global communication issues through the design of a global project where students in different parts of the world collaborate on a task and share information and stories.

EDEK401 Teaching Reading and Writing to Second Language Learners

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUE331 and EDUE334
Subject Description: This subject will explore the nature of literacy. It will consider the role of literacy within a range of social, cultural, historical and educational contexts. As well it will cover the following: a critical analysis of theories of reading and writing and their relevance for second language literacy development; an analysis of approaches to teaching reading and writing; the relationship between spoken and written language; principles for developing effective literacy programs; strategies for supporting the learning of literacy for ESL/EFL learners at beginner through to advanced levels in school contexts.

EDEL302 Children's Literature in the Early Years

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUE303
Subject Description: This subject provides opportunity for in-depth explorations of children's literature in the early years of children's lives. In so doing, it takes stock of the various genres that are involved across fiction and non-fiction. This subject examines children's literature in its many guises, ranging from traditional and contemporary print forms, to film, television and DVD renditions, to electronic versions. It takes stock of relationships between children's literary texts and popular culture. Students are engaged in ways that teachers might effectively use and program for children's literature in prior-to-school and early school year settings, including drama and poetry; and looks at how literature provides a basis for developing children's literacy.

EDEL401 Children's Literature in the Later Primary Years

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUE304
Subject Description: This subject focuses on how to teach reading and writing in the later years of school using children's literature in all its forms. It does so by examining theoretical models that underpin the critical examination of children's literature. Drama, poetry and popular culture forms will be examined and the interconnectivity between these practices will be As these are examined in theory, how teachers teach reading and writing at school will be developed. Explicit links to the relevant Syllabus documents, as well links to other subjects and in-school experiences will be developed.

EDEL402 Critical Viewing and Production in the Primary years

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on how to teach critical viewing and production as part of critical literacy in the primary years. It examines theoretical models that underpin critical literacy, with a focus on multiliteracies and multiple modalities. Print-based texts, computer-based texts (e.g., web-based texts, powerpoint, CD Roms), television and film are examined for how teachers might develop children's skills for critically viewing and constructing such texts. Explicit links to the relevant Syllabus documents are developed.

EDEM302 Mathematics Elective 1

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKM102 and EDKM301
Co-requisites: None
Exclusions: EDUM224
Subject Description: This subject provides the opportunity for pre service students to explore the teaching of mathematics in the primary school context in light of current theoretical approaches including the Dimensions of Quality Teaching (NSW Model of Pedagogy NSW Department of Education and Training. 2003) and the 'Count Me in Too' framework (NSW Department of Education and Training. 2004). This subject will focus on content and pedagogy which, whilst using the Mathematics K-6 syllabus as a springboard, will also look at cross curricula approaches to Mathematics teaching and learning such as incorporating thematic approaches and the use of literature, music, drama and ICT when planning, implementing and reflecting on authentic Mathematical learning experiences. Students in this subject will be expected to prepare, implement and reflect on lessons which they will conduct in a school setting.

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EDEM401 Mathematics Elective 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKM102 and EDKM301
Co-requisites: None
Exclusions: EDUM333
Subject Description: This is the second of three mathematics elective subjects in the BEd degree that focuses on the learning and teaching of mathematics for children in K-6. In this subject, pre-service teachers will be introduced to recent reforms in K-6 mathematics and the emergence of issues that impact on practice including language and mathematical understanding, discourse in mathematics, ethno-mathematics and the use of ICT.

EDEM402 Mathematics Elective III

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKM102 and EDKM301
Co-requisites: None
Exclusions: EDUM441, EDUM442
Subject Description: This subject aims to examine the core dimensions of the Quality Teaching framework in the context of K-6 mathematics. Notions of deep and substantive understanding of concepts and strategies to scaffold these attributes will be analysed within authentic learning activities. Pre-service teachers will work on problem-bases tasks and develop expertise in evaluating aspects of practice.

EDEP302 PDHPE Elective A

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP335
Subject Description: In this elective, the PDH component will follow the theme of promoting positive mental health. Mental health includes many issues, however some specific issues which will be covered, include: health promoting school, resilience, interpersonal relationships, growth and development, self esteem, media messages. The PE component will highlight and encourage the promotion of lifelong physical activity. The Games Sense and Technique Based approaches to teaching physical education will be examined. In addition, important aspects of movement and self expression in the primary school will be covered. Opportunities will exist for students to identify ways to create an effective learning environment in PDHPE with an emphasis on classroom management, evaluation and individual education programs.

EDEP401 PDHPE Elective B

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKP201
Co-requisites: None
Exclusions: EDUP226
Subject Description: Students who undertake this subject will understand and apply content and concepts relevant to the teaching of PDHPE. To this end they will explore a range of relevant and contemporary health issues, which relate to young people in the primary school setting. Content will be taken from but not restricted to, the areas of Safe Living and Personal Health Choices. The subject will also afford students the opportunity to develop skills in programming and planning for an effective learning environment and demonstrate this through an in school teaching experience. In addition, students will identify a range of teaching strategies to utilise in the in-school setting and will use sound reflective practices to analyse their teaching.

EDEP402 PDHPE: Coaching and Sport Administration - Elective C

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUE307 - Coaching and Sport Administration
Subject Description: This subject introduces the general principles of coaching and sport administration and links it to the community and school setting. Students will have examined coaching strategies, participated in practical coaching sessions, undertake a coaching course or equivalent assessment and complete work in sport administration or volunteer management. In coaching topics include: role of the coach, planning, teaching sports skills, group management, communication, physical conditioning, sport safety and the law and other optional units, A range of practical topics are also included. In administration topics include: planning, committee management, legal issues and risk management, conducting meetings, financial management, marketing. fundraising and event management. These topics will be linked to school and community settings.

EDER301 Educational Research and Action Learning

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP391 or EDUT301
Subject Description: This subject builds on the premise that beginning teachers are required to be reflective practitioners and inquirers. The capacity to read and make sense of research is an important professional attribute. The subject aims to provide a starting point and practical insights into the day-to-day decision making of educators. The content will follow the order and logic that experienced researchers take in order to ensure quality in their research, and that it is valid, reliable, ethical, useful and socially responsible. Given the professional skills required by teachers, the subject pays particular attention to the elements involved in action research.

EDER302 Research Project in Education 1

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUT432
Subject Description: As a generic research project it is anticipated that students will negotiate a project individually with an academic supervisor. The inquiry may involve action research as applied in professional settings. Students will be required to plan, conduct and report upon an inquiry focused on an educational aspect. The focus may be in the Key Learning Area

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or another area approved by the academic supervisor. Skills in library research and critical analysis of selected educational literature will be developed.

EDER401 Research Project in Education 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUT432 and ECFC401
Subject Description: As a generic research project it is anticipated that students will negotiate a project individually with an academic supervisor. The inquiry may involve action research as applied in professional settings. Students will be required to plan, conduct and report upon an inquiry focused on an educational aspect. The focus may be in the Key Learning Area or another area approved by the academic supervisor. Skills in library research and critical analysis of selected educational literature will be developed.

EDES302 K-6 Science and Technology Elective A

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKS102 or ECKS202
Co-requisites: None
Exclusions: EDUS333
Subject Description: This subject provides an opportunity for preservice students to teach Science and Technology in the authentic context of school classrooms. Students are encouraged to plan, implement and evaluate six lessons from one of the broad strands of Science and Technology and focus on areas such as Investigating Scientifically, Designing and Making, the Natural Environment and The Made Environment. There are three phases in the elective: (i) in weeks 1-4 of the subject students will plan six lessons of Science and Technology based on input from classroom teachers; (ii) in weeks 5-11 of the subject student teach the lessons in real school classrooms; and (iii) In weeks 12 and 13 students will reflect and evaluate these lessons as well as sharing teaching experiences. The theoretical basis for teaching will be based upon the NSW Model of Pedagogy NSW Department of Education and Training or what has also been called the Quality Teaching Framework which students will need to incorporate into their planning and teaching.

EDES401 Use of ICT to Support Science and Technology

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Modern teachers are expected effectively use ICT to support learning activities in science and technology. The content will follow the suggestions that experienced researchers make in order to create high quality ICT supported learning environments in science and technology. It will also link to the content strands of the NSW Science and Technology K-6 Curriculum. The professional skills required by students in this subject pay particular attention to the use of ICT application tools to gather and display information, analyse data and record science and technology related activities.

EDET302 Programming and Methodology in Second Language Teaching

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUE319
Subject Description: This subject provides participants with a foundation and framework for the successful teaching of English as a second (or other) language. It encourages them to make decisions about appropriate classroom strategies across the curriculum, gives insight into current debates within the field and suggests a direction for future thinking. The subject covers: 1. The social, political and educational context of TESOL. 2. Second language acquisition, learning and pedagogy. 3. The social foundations of language and learning including a description of language. 4. The context sensitive nature of second language pedagogy. 5. The analysis of classroom environments. 6. Assessment of spoken and written language. 7. The development and evaluation of language teaching programs. 8. Working effectively with educators in a range of disciplines ACTA Competencies for beginning ESL teachers

EDET401 Teaching Speaking and Listening to Second Language Learners

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDET302 or EDUE319
Co-requisites: None
Exclusions: EDUE329 and EDUE335
Subject Description: Students will gain an understanding of spoken discourse, the nature of spoken interaction, the differences between speech and writing and the ways in which oral fluency fosters language development. The subject also addresses the different ways in which spoken discourse can be studied covering critical and other traditions of discourse analysis, multimodal and ethnographic approaches. The subject presents an overview of recent research and developments in the teaching of listening and speaking and how these areas can be taught in an integrated way making use of computer and other technologies and approaches.

EDET402 Teaching English in International Contexts

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will gain an overview of the changing contexts of English Language Teaching internationally and of the issues relating to English as a global language. There would be a focus on specific issues such as teaching young learners (with the development of English teaching at elementary level) and the use of appropriate methodologies in exam-based systems. Cross-cultural communication skills and issues of culture in language teaching would also be addressed. Students would have the flexibility to research specific countries and key issues that cut across national boundaries.

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EDEV402 Innovation: Technology and The Arts (Elective C)

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDIC101 - Learning and Teaching With Technology
Co-requisites: None
Exclusions: EDUA442
Subject Description: This elective explores innovative applications of technology and creativity through visual arts education. The subject allows students new ways of communicating through the practical applications of emerging technologies and tools such as digital media, multimedia, digital cameras, image manipulation and video/movie production. Students' skills will be developed and supported for practical application in classroom settings.

EDEY401 Youth, Culture and Education

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDFE301
Co-requisites: None
Exclusions: EDUE325 and EDUC291
Subject Description: This subject will introduce students to the study of youth culture and education. The subject will analyse the impact of changing cultures on youth and education in Australia. Changing social expectations, values and practices related to youth and the education system will be examined. The central role of language in the construction of identity will be explored. Students will be required to develop an understanding of 'youth culture' and issues of difference in education. Provision will be made for students to focus on issues relating to a range of age groups, including provision for early childhood.

EDFE101 Education Foundations 1: Learning and Development

Spring	Loftus	On Campus
Autumn	Wollongong	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Moss Vale	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUF111
Subject Description: Recognising the importance of teachers knowing their students and how they learn, this subject will introduce students to the physical, social, emotional, moral and cognitive development of children and youth. The subject will address major theories in development and learning, research related to these theories, and the implications of these theories for educational practice. Related issues of child protection and safety, and individual and group differences will also be incorporated into the subject. The aim of the subject is to provide a sound theoretical foundation for further studies in education.

EDFE202 Education Foundations 2: Social Cognition & Communication in Learn

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDPD101
Co-requisites: None
Exclusions: EDUF311
Subject Description: Recognising the importance of teachers' ability to communicate effectively with their students, this subject will provide theoretical background and practical strategies for creating positive social, emotional and personal learning environments. The subject will focus on effective communication in the classroom and its impact on students' learning. The topics treated will include the quality of teacher-student interaction; peer collaboration; communication with families; students' self-awareness and self-efficacy; creativity and motivation; metacognition and self-regulation for life-long learning; emotional intelligence and resilience.

EDFE301 Educational Foundations 3: Sociology & Cultural Studies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDFE101&EDFE202 (ED students) or 12cp at 100 level for Arts students
Co-requisites: None
Exclusions: EDUF212
Subject Description: A selection of theoretical perspectives will be presented that draw from sociological and cultural studies traditions. Students will become familiar with key NSW DET policies. The role of education in issues such as gender, class, 'race', ethnicity and ability is considered. Contemporary issues such as 'inclusion', issues in schools and families, perceptions of gender and sexualities, cultural diversity, and the use and critique of technology and mass medial will be provided.

EDFI401 Issues Beyond the Classroom

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: .Educational Leadership - School climate and culture - Leadership for Quality Teaching - Distributed/teacher leadership - Educational change and school improvement - Teachers' professional learning - Learning communities - Leadership preparation - Current Issues and Policy Debates Selection of current issues, e.g.: - A national curriculum? - Testing, outcomes, standards and mandatory reporting - Teacher accreditation (NSWIT, Teaching Australia) - Public and non-government education - Stakeholder involvement - Other current issues - International Comparisons, Trends and Perspectives - International educational performance trends and indicators - Comparative education o Globalisation and education.

EDIC101 Learning and Teaching with Technology

Spring	Loftus	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6

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Pre-requisites: None
Co-requisites: None
Exclusions: EDIT102
Subject Description: This subject will allow students to explore the use of a variety of technologies used in primary and secondary schools. The subject will provide students with the opportunity to learn about and reflect critically on the support provided by information technology to teachers in their professional activity and career, as well as developing an understanding of the role of a variety of technologies in creating innovative and engaging learning environments.

EDIC402 ICT as Cognitive Tools

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: EDIC101
Subject Description: In the subject, ICT as Cognitive Tools, students will develop in-depth knowledge and pedagogical skills related to the use of ICT as tools for problem solving (so that they learn to assist their students to learn with technology rather than from it). Students will learn and apply values and ethics related to the educational use of technology, and related products (such as fair and appropriate use of copyright works). Students will prepare for their own inservice professional development by participating in a supported and mentored community of practice while on practicum. Lastly, students will finalise and review the quality of their own e-portfolios to reflect their learning over the four years of their course.

EDKA202 Creative Arts Education

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUA201
Subject Description: This subject provides experiences for students in making, appreciating and valuing the creative arts. Theories and research of children's artistic development and learning will be explored. An understanding of the creative process and it's application to the K-6 classroom setting will be developed through sequenced learning experiences in visual arts, music, dance and drama.

EDKH102 Human Society and Its Environment: New Times, New Practices

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUS104 or EDUS203
Subject Description: This subject introduces pre-service teachers to the concept of learning and teaching in the curriculum area known in NSW as Human Society and Its Environment. The local and global policy environment relating to this field of study (also known as Studies of Society and Environment) will be the framework from which the subject will be launched. Human Society and its Environment will ask pre-service teachers to develop their own philosophy and practice to teaching and learning HSIE within the context of a dynamic and rapidly changing global human culture with its historical, social and environmental dimensions. The exploration of these dimensions will be through critical, socially just and participatory perspectives where challenging values, attitudes and biases in classrooms will be a key component. An inquiry-based and integrated model of learning will support the teaching and learning program. The key topics explored in this subject will include educationally-based issues such as policy, pedagogy, unit planning, assessment and evaluation plus issue-based topics such as culture and identity, history and futures, environmental sustainability, citizenship, law and order, media and global education. Overall, the subject will challenge learners to explore what new learning, new pedagogies and new times have on our choices when teaching HSIE by addressing the question: what is the role of HSIE in education in the 21st century?

EDKL102 Language and Literacy 1: The Early Years

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUL101
Subject Description: Language and Literacy I focuses on teaching reading and writing in the early years of school. It does so through the lens of a social model of literacy. Reading and writing, and the interconnectivity between these practices will be examined in terms of phonics, text conventions and other basic skills; interpreting and making meaning from texts of all kinds; reading for a range of purposes; and critically reading 'between the lines'. As these are examined in theory, how teachers teach reading and writing at school will also be critiqued. Explicit links to the relevant Syllabus documents, as well links to other subjects in first session and links to in-school experiences will be developed.

EDKL201 Language and Literacy 2 - Teaching Encoding & Decoding Skills

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDKL102
Co-requisites: None
Subject Description: This subject builds on the first year subject that introduces spoken language development and a framework for identifying literacy practices. It is designed to teach students how to both assess and teach phonological awareness (with particular reference to phonemic awareness); letter-sound knowledge; word recognition skills; vocabulary and fluency, all of which lead to comprehension and the development of critical literacy. Students will be taught how to use a range of formal and informal assessment instruments including the Sutherland Phonological Awareness Test - Revised (SPAT-R); the Astronaut Invented Spelling Test (AIST); the Educheck; miscue analysis; running records and "one-minute reads". Grammatical features of English are described and students are engaged in exploring these features in relation to children's writing and texts at school. Aspects that are covered include clauses, noun groups, verb groups, adverbials and text organization, cohesions and grammatical patterns.

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EDKL302 Language and Literacy 3: the Later Primary years

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKL102 and EDKL201
Co-requisites: None
Subject Description: Language and Literacy III focuses on teaching reading and writing in the later years of primary school. It does so through the lens of a social model of literacy. Reading and Writing, and the interconnectivity between these practices will be examined in terms of phonics, text conventions and other basic skills; interpreting and making meaning from texts of all kinds; reading for a range of purposes; and critically reading 'between the lines'. As these are examined in theory, how teachers teach reading and writing at school, assess, program and plan will also be critiqued. Explicit links to the relevant Syllabus documents, as well links to other subjects in first session and links to weekly in-school visits will be developed. The subject culminates into a three week block school practicum.

EDKM102 Mathematics Content and Pedagogy 1

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUM201
Subject Description: The subject introduces students to fundamental concepts of mathematics and mathematics education including learning and teaching mathematics, programming mathematics and assessment strategies. The content for the subject will focus on numbers, operations and measurement. Students will be provided with opportunities to explore the Count Me In Too program in the classroom. Students will become familiar with the NSW Mathematics K-6 syllabus and how it can be used in planning, teaching and assessing mathematics.

EDKM301 Mathematics Content and Pedagogy II

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDKM102
Co-requisites: None
Exclusions: EDUM201
Subject Description: The subject introduces students to fundamental concepts of mathematics and mathematics education including learning and teaching mathematics, programming mathematics, assessment strategies. The content for the subject will focus on pre-algebra, space and geometry data and the development of numeracy skills. Students will extend their understanding of NSW Mathematics K-6 syllabus focussing on processes such as mathematical reasoning, problem solving and problem posing.

EDKP201 Personal Development, Health & Physical Education Content & Pedagogy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP201
Subject Description: This subject will focus on curriculum and content knowledge in PDHPE. Topics will include: - Current health issues impacting on children - Planning and pedagogy in PDHPE: creating safe and inclusive classrooms, developing resilient learners, catering for diversity, dealing with sensitive and controversial issues, the Health Promoting School Framework Subject specific knowledge: mental and emotional health, safe living, healthy choices, self and relationships, fundamental movement skills, promoting lifelong physical activity, gymnastics, games and dance.

EDKS102 K-6 Science and Technology: Curriculum and Pedagogy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUS102
Subject Description: In this subject students will develop an understanding of the K-6 yllabus for Science and Technology, learn discipline knowledge and learn about ways of teaching the subject (pedagogy). It introduces science as a subject that is concerned with finding out about the world in a systematic way and introduces technology as being concerned with the purposeful and creative use of resources in an effort to meet perceived needs or goals. Students are encouraged to use an enquiry-based approach and focus on the foundation areas of Investigating Scientifically, Designing and Making, the Natural Environment and The Made Environment from the syllabus across different stages. The philosophical basis for teaching is social constructivism whereby students are encouraged to reflect upon and understand their prior beliefs about teaching science which is then scaffolded by interactions with the lecturers and peers.

EDLE301 Learners With Exceptional Needs

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDFE101
Co-requisites: None
Exclusions: EDUF204
Subject Description: The philosophy and implementation of inclusive practices rather than segregation is having a strong influence on the education of learners with exceptional needs. Students with widely ranging levels of ability are now educated in regular classrooms. It is critical, therefore, that all teachers understand and are able to respond to the special needs of these learners. This course aims at developing teaching skills which address the needs of students with a range of special educational needs who spend at least some time in regular classrooms. The emphasis throughout is on structuring the regular classroom and developing appropriate teaching strategies so that the needs of students with a wide range of abilities are addressed.

EDLL101 Language and Learning

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject recognises that

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language is central to the learning process. It develops understandings of the role of language in learning and the different roles played by spoken and written language. Students will investigate the language demands of the different Key Learning Areas and develop a repertoire of teaching strategies to assist students in meeting these demands. The subject will take into account the nature of the learner, including CALD students and students experiencing difficulties with oral and written language. The language needs of the Education students themselves will be addressed as they come to grips with the language demands of academic and classroom contexts.

EDPD101 Professional Development 1: The Learning Environment

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUT111 and EDUT121
Subject Description: This subject introduces the concept of the learning environment as the physical, psychological, social & intellectual setting that enables and constrains learning. It looks at the learning environments in both the mentoring schools and the course, of which this semester is the beginning. It makes an assessment of the student teachers' prior knowledge of curriculum content and beliefs. It sets out in an integrated fashion an introduction to the curriculum, the 6 KLA syllabuses and some mandatory policies, and the work of teachers in constructing effective learning environments through pedagogical and management strategies.

EDPD401 Professional Development 3

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPD101
Co-requisites: None
Subject Description: 1. Values education - Values education statements from syllabi, school systems, governments and professional associations - Pedagogical strategies such as values clarification and moral dilemmas 2. The law and education - Duty of care - Student-teacher relationships - Supervision - Assessment and reporting - Child protection rationales and requirements - Safe working environments - Educational malpractice - Custody and access 3. Ethics and education - System and professional association statements of professional/teacher ethics - Ethical positions and approaches - Values clarification of students' own positions Case studies and hypothetical situations.

EDPD402 Professional Development 4

Not on offer in 2008
Credit Points: 12
Pre-requisites: EDPD101, EDPD202 and EDKL302
Co-requisites: None
Subject Description: This is a core subject. The Internship Program provides students with an opportunity to acquire a higher level of formal practical experiences within the framework of the New South Wales Institute of Teachers Professional Standards. Because the " Internship" has been specifically designed to lift students' practical skills to a level beyond the Third Year Practicum, it provides a significantly different set of field-based learning experiences, involving both classroom teaching, and classroom research to support school curriculum policy initiatives (such as implementation of different KLA's) and school-wide management agendas. This provides extra skills that will improve interns' professional portfolios. The content of this subject includes face-to-face lectures, tutorials, online support and an extended field experience to be known as the internship. Interns are appointed as full time, qualified supernumerary teachers for 25 days in Session 2 (i.e. School term 3) in schools, which are in partnership with the University.

EDPE202 Health Promotion

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPH102 OR EDPH101
Co-requisites: None
Subject Description: Health promotion is the process of enabling individuals to identify their health needs and to have control over how these needs are addressed. The foundations of health promotion were laid down in the Ottawa Charter in 1986 and have been reaffirmed over the years, culminating in the Bangkok Charter in 2005, which acknowledges health promotion in a globalised world. This subject will examine the history of health promotion, as well as focussing on the impact of globalisation, technology, new and emerging diseases and environmental change, on the health of the world's people. Current health promotion initiatives and their effectiveness will be examined.

EDPE203 Principles and Practices of Coaching

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP311
Subject Description: This subject develops the general principles of coaching and links them to school and community sport. Students will examine coaching strategies , participate in practical coaching sessions, undertake a coaching course or equivalent assessment and develop their discipline base on coaching theory.

EDPE204 Outdoor Education 1

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP381
Subject Description: On successful completion of this subject, students will have an understanding of the theoretical underpinnings of Outdoor Education and the nature of wilderness environments. The intimate relationship between humans and the environment will be discussed along with the skills which will help them function in a wilderness environment with a degree of autonomy and safety. A variety of learning experiences will assist in the development and/or clarification of attitudes towards themselves, others and the environment. Field work experiences on a regular basis are undertaken on weekends or during session. Finally, students are exposed to a variety of ways to implement Outdoor Education within the school curriculum.

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EDPE401 Sports Studies 1

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP447
Subject Description: Students will complete two Level 1 Coaching Certificates or other accreditation approved by the lecturer. These could include Rugby League, Rugby Union, Soccer, Basketball, Fitness Leaders, LaCrosse, First-Aid, Scuba Diving Certificate, etc. Other accreditations, such as refereeing certificates, can be negotiated depending on the rigour of the course and interests of the group. Students will also undertake a Work Placement (a minimum of 5 days in a sports related work environment). An understanding of the physical and recreational benefits and safety precautions related to the students' area of choice will be developed with an analysis of pedagogical issues in coaching/refereeing/administration.

EDPE402 Community Placement

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPH102 or EDPH101
Co-requisites: None
Subject Description: Theoretical aspects of the subject will include: a general background to community service; the place of volunteers and voluntary service in the community, the development of social capital and the concept of service-learning. The subject will allow students to learn more about the wider community through practical experience and placement in a community setting.

EDPE403 Intervention Skills for Teachers

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPH102 or EDPH101
Co-requisites: None
Subject Description: This subject will cover the following: An examination of the underpinnings of the causes of distress, (mental, physical, financial, social etc); how to identify students who may be in distress (eg basic assessment techniques); employment of crisis "first aid" and intervention strategies, (eg GRIP, MHFA). Furthermore, it will provide an awareness and understanding of the processes for referral (including confidentiality/ privacy, duty of care) and identify support networks in the school and community. Opportunities will also be provided for students to attend professional workshops to extend their skills eg Mental Health First Aid.

EDPE404 Outdoor Education 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP381
Subject Description: On successful completion of this subject students will be able to function autonomously in pristine wilderness environments. Furthermore, they will understand risk management and safety issues associated with multi-day fieldwork experiences and abseiling/ rockclimbing systems. A variety of learning experiences are undertaken on weekends and/or during session. Finally, students are exposed to a variety of ways to implement Outdoor Education within the school curriculum.

EDPE405 Sports Studies 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP367
Subject Description: Students will complete two Level 1 Coaching Certificates or other accreditation approved by the lecturer. These could include Advanced Resuscitation, Sports Taping, Triathlon etc. Other accreditations, such as refereeing certificates can be negotiated depending on the rigour of the course and interests of the group. Students will also undertake a Work Placement (a minimum of 5 days in a sports related work environment). A variety of recreational pursuits and associated risk management strategies will be explored within the subject.

EDPH101 About Young People

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject will use contemporary literature on young people and small projects involving speaking with young people to develop understandings of the lives of young people from a range of perspectives, including their own, institutions, policymakers, youth researchers, educators and so on. Topics covered include: perspectives on, and models of, 'youth' and adolescence; youth perspectives; youth culture; ethnicity and young people, gender and young people; disability and young people; young people and the media, including representations of young people in the media; health and physical activity in the lives of young people.

EDPH102 Meanings of Health

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDPH101
Co-requisites: None
Exclusions: EDUP144
Subject Description: This subject will examine the psychological, physical, emotional, spiritual, social and mental dimensions of health and well-being. The historical background to health behaviour and health promotion will be addressed. Students will identify current health issues and the role of health promotion in the 21st century. The multifactorial influences on health and well-being will be explored. The salient factors of personal choice, decision making, consequences of actions and gender differences will be discussed within the context of health.

EDPH201 Promoting Well-being 1

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPH102
Co-requisites: None
Subject Description: This subject will examine the psychosocial dimensions of health and the impact on an individual's well-being. Students will identify current adolescent health issues and the role of the teacher in addressing these issues and promoting well-being. The

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sociocultural influences on a young person's mental health and sense of self will be explored. The salutary factors of resilience, connectedness, participation, positive self worth and sense of belonging will be included. Common problems of bullying, harassment and responding to loss and grief will be discussed.

EDPH301 Socio-cultural Perspectives on Physical Activity and Physical Edu

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPH101
Co-requisites: None
Exclusions: EDUP392
Subject Description: This subject will actively involve students in critical thinking about the meaning of a socio-cultural approach to sport and physical activity. Content will include: the meaning of physical activity in Australian and other societies; young people and physical activity; gender, sexuality, physical activity and physical education; bodies, health and physical activity; ethnicity and race; media, physical activity and sport; sport as a commodity; sport and politics; ideologies and physical education; physical education in Australia, and looking to the future of physical education.

EDPH302 Promoting Well-being 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPH201
Co-requisites: None
Subject Description: This subject will provide the opportunity to investigate and critically examine the health of young people with a particular focus on specific health issues such as risk taking behaviour, sexuality, sexual health and substance use and abuse. This subject will take a holistic view of young people and explore their health and wellbeing from a socio-cultural perspective. Students will investigate drug use trends and issues, various perspectives on individual and societal attitudes to risk taking behaviour, substance abuse and sexual health, the harm minimisation approach and the biological, social, psychological and ethical/moral dimensions of human sexuality. In examining these issues, prevention, intervention and postvention methods will be considered and a variety of resources/programs/support agencies identified that can assist in the meaningful promotion of the health of young people.

EDPH401 Application of Health Education in School and Community Settings

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPH102
Co-requisites: None
Subject Description: Content will be related to the overarching question - How does it all work in schools? Students will have the opportunity to examine the Whole School Approach and its relationship to the promotion and maintenance of a safe, supportive school environment. Specific reference will be made to the place of curriculum; the school ethos, policies, services; school/community partnerships and how these work together to provide an environment which supports resilient learners. Emphasis will be placed on the involvement of young people in this process through an initial forum and subsequent mini-conference.

EDPM101 Foundations of Movement Skill Acquisition

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP123
Subject Description: This subject will engage students in theoretical and practical experiences that will examine the fundamental principles underlying all movement and identify how these principles impact on the development of specialised skills and the promotion of lifelong physical activity. The categories of games, the principles of play and the basic principles underpinning the individualisation of instruction for exceptional learners in physical activity settings will be introduced in this foundation subject.

EDPM102 Performing & Teaching Rhythmic Movement Activities

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDPM101
Co-requisites: None
Subject Description: This subject will enhance student knowledge and understanding of skill acquisition in rhythmic movement and how development of such skills can contribute to participation in a variety of lifelong physical activities. Students will actively engage in a variety of dance, gymnastics and rhythmic movement experiences to develop their own composition and skill competencies and examine the elements of movement and composition that underpin these forms of physical activity. Development of student ability to plan and implement quality learning experiences that will enhance enjoyment of these forms of physical activities will be an integral component of this subject.

EDPM202 Teaching and Learning Net Court, Striking and Target Games

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPM101
Co-requisites: None
Subject Description: The subject will actively engage participants in a variety of games (net/wall, striking/fielding and target) that demonstrate the different approaches to the teaching and learning of games. Core skills and rules related to game play will be explored. Students will examine a variety of pedagogical approaches to teaching games and will be required to incorporate a Game Centred Approach into lesson, unit and program design. Demonstrated game skill and teaching competencies in the selected game categories will be required.

EDPM301 Teaching and Learning Invasion Games

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPM101
Co-requisites: None
Subject Description: The subject will actively

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engage participants in a variety of invasion games that demonstrate the different approaches to the teaching and learning of games. Core game concepts related to invasion games will be explored in increasingly more complex game contexts. Students will critically analyse the variety of pedagogical approaches to teaching games and will be required to incorporate a Game Centred Approach into lesson, unit and program design. Demonstrated skill and teaching competencies in a variety of invasion games will be required.

EDPM401 Promoting Lifelong Physical Activity

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPM101
Co-requisites: None
Subject Description: With research clearly confirming the short and long term health benefits of physical activity, the need for all individuals to adopt lifelong physical activity is vital. This subject will examine opportunities for physical activity over the lifespan and analyse the barriers to physical activity. Students will participate in and research a broad range of movement experiences - competitive and non-competitive, individual, group and team, recreational, health and fitness and outdoor education challenges. Planning programs for groups and individuals in fitness and physical activity in both the school and community settings will be examined.

EDPP102 Foundations of Teaching and Learning in PDHPE

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP153
Subject Description: This subject is concerned with the development of a teacher and as such focuses on; the roles and responsibilities as teachers of PDHPE; theoretical foundations and rationale for the inclusion of this KLA in both primary and secondary curriculums; principles of quality teaching practice as discussed in the Professional Teaching Standards with an emphasis on communication, planning, classroom management, and reflection; observation and practice of teaching principles in outdoor and indoor teaching contexts. Students will complete 12 hours voluntary service in an allocated secondary school.

EDPP201 Quality Teaching & Learning in Physical and Health Education

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPP102
Co-requisites: None
Subject Description: This subject is concerned with providing information and experiences for students on the nature of the learner and the learning environment and its impact on physical and health education curriculum development. It also explores a variety of teaching and learning strategies that teachers can employ in their lessons; their advantages and disadvantages, the criteria for their selection and their contribution to the Quality Teaching Framework. Students will complete 12 hours voluntary service in an allocated secondary school and participate in a 15 day practicum experience during the session.

EDPP202 Teachers as Communicators

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPP102
Co-requisites: None
Subject Description: This subject will assist students to develop an understanding of communication as a complex process that involves a mutual construction of meaning, through interactions both verbal and non-verbal. This concept will be developed through theoretical and practical examples derived from classroom interactions in movement and classroom contexts of physical and health education. Students will be provided with the opportunity to reflect on classroom practice as communication. Students will also be provided with opportunities to develop as 'skilled helpers' - i.e. capable of listening for understanding in order to assist students seek appropriate counselling or other relevant assistance if required. Topics include: the process of communication; non-verbal communication and its importance to teaching; attending and responding with understanding; assertiveness and conflict resolution; using questioning effectively in physical and health education; conducting discussions in physical and health education; designing and facilitating small group work.

EDPP301 Curriculum Perspectives in Physical and Health Education

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDPP102
Co-requisites: None
Exclusions: EDUP355
Subject Description: The subject explores the processes involved in curriculum development and critically examines contemporary contexts and issues in which a Physical and Health Education curriculum operates. Students are involved in investigating the PDHPE Stage 4 & 5 Syllabus where students undertake an in-depth examination of the syllabus developing integrated unit programs. The subject also explores the Stage 6 (Years 11/12) PDHPE Higher School certificate curriculum and other relevant Board of Studies syllabi. Students will have the opportunity to apply the theory explored in this subject to practical situations during a four-week (20 day) block secondary school practicum.

EDPP302 Risk and Behaviour Management in Physical and Health Education

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will focus on establishing risk and behaviour management strategies in the learning environment in a variety of settings, such as schools, specific physical and health education settings and outdoor recreation environments. The subject will initially examine the management of risk through appropriate planning, administrative policies and practical

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responses in a variety of settings which will lead into more in-depth analysis and evaluation of behaviour management theories and their practical application.

EDPP402 Leadership, Management and Professional Learning in Phys&Health Edu

Not on offer in 2008
Credit Points: 12
Pre-requisites: EDPP102
Co-requisites: None
Subject Description: In preparation for their entry into the teaching profession as early career teachers, this subject will initially examine current priorities and developments in education that are relevant to Physical and Health Education including school organization, leadership and management issues, syllabus developments, and assessment and reporting strategies. Secondly, students will have an opportunity to reflect on the concepts of professional teaching standards, law, ethics and models of quality teaching in education in general and, Physical and Health Education, in particular. This will provide direction and a foundation for the internship in the secondary school and for on-going professional development as early career teachers. Importantly, the content covered in this subject will be explored within the context of Professional Teaching Standards from the NSW Institute of Teachers' and the implications of these for beginning teachers.

EDPP403 The Physical and Health Education Internship

Not on offer in 2008
Credit Points: 12
Pre-requisites: EDPP102 And EDPP201 And EDPP301 And EDPP402
Co-requisites: None
Subject Description: The Internship Program provides students with an opportunity to acquire a higher level of formal practical experiences within the framework of the New South Wales Institute of Teachers Professional Standards. The length of the internship provides sufficient time for undergraduate students to plan, teach, assess and evaluate a teaching program that has been designed for specific classes of secondary school students including senior students. As the internship progresses, the student can be expected to accept an increasing level of responsibility for the progress and welfare of students and to experience a greater sense of reality in terms of what it means to be a teacher. The overall aim of the Internship is to ensure that the student is sufficiently competent to enter the teaching profession. The content of this subject includes face-to-face lectures, tutorials, online support and an extended field experience to be known as the internship. Interns are appointed as full time, qualified supernumerary teachers for 35 days in Session 2 (i.e. School term 3 & 4) in schools, which are in partnership with the University.

EDPR401 Honours Thesis

Not on offer in 2008
Credit Points: 18
Pre-requisites: EDER301 +WAM: of at least 75
Co-requisites: None
Exclusions: EDUP430
Subject Description: The student will be required to complete a thesis, approximately 18,000 words in length, based upon a course of supervised study on a topic chosen by the student and approved by the supervisor and the Faculty Research Committee. Students are also required to give an oral presentation at the end of their candidature. This thesis can take the form of a qualitative, quantitative, or mixed-mode research project.

EDPS202 Professional Studies

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: EDPD101
Co-requisites: None
Subject Description: This subject builds on the first year subject that introduced students to the concept of the learning environment and the work of teachers. This subject will require students to diagnose their professional competency, analyse and evaluate the various modes of assessment used in today's classrooms, as well as investigate current and topical school, student, parent and community issues. The subject will also provide students the opportunity to further develop their teaching expertise. Students will be required to successfully complete a four week practicum experience in a primary school.

EDRT401 Honours Thesis Primary

Not on offer in 2008
Credit Points: 24
Pre-requisites: WAM: 75 and successful completion of honours elective
Co-requisites: None
Exclusions: EDUT493
Subject Description: The Primary B.Ed. honours student will be required to complete a thesis, approximately 24,000 words, in length, based upon a course of supervised study on a topic chosen by the student and approved by the supervisor and the Faculty Research Committee. Students are also required to give an oral presentation at the end of their candidature. This thesis can take the form of a qualitative, quantitative or mixed-mode research project.

EDSD401 Education for Sustainable Development

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The goal for Education for Sustainable Development is to develop skills and knowledge that enables all citizens, and through them social institutions, to play a role in the transition to a sustainable future for the planet. Schools are key sites where ESD can be taught and put into action as a model for sustainability. ESD involves approaches to teaching and learning that integrate goals of conservation, social justice, appropriate development and democracy into visions for social action and personal change. ESD has a comprehensive approach and incorporates the old social studies subject areas of development education, human rights education, peace education, environmental education, multicultural education and active citizenship in addition to new approaches to science and conservation education, technology and media studies. The focus of ESD is on critical thinking, problem-solving, values analysis and active citizenship. Additionally, students enrolled in this subject will be engaged with current

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educational debates and reforms that seek to design relevant pedagogies and practices that meet the needs of children and their society in the 21st century. They will need to take into account that being in new times means a new generation of children, who will demand that their teachers consider new ways of thinking about teaching and learning that will contribute to their shared vision of a sustainable future. In this subject students will be asked to bring together knowledge's and experiences from their previous three years of learning across science, technology and HSIE to explore global social and environmental issues and their impact on their local region. To put their knowledge into action through a final assessment students will adopt a local school and work with the school community to develop a whole school ESD plan.

EDTD302 Teaching for Diversity

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject, the focus will be on two particular groups of students: those who are gifted and those from non-English-speaking backgrounds (NESB) - although of course there is often overlap between these groups. In the subject students will be explore the various forms of giftedness, focussing particularly on students' academic, social and emotional needs. Further, in the subject students will examine how to appropriately educate gifted students in the regular classroom. In regard to NESB students will develop an understanding of the diversity within this group of learners (migrants, refugees, new arrivals, and so on) and how to plan teaching programs to cater for this diversity.

EDUA111 Creative and Expressive Arts in Early Childhood

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject emphasis will be given to ways in which the expressive curriculum areas of art, craft, drama and music can be interrelated. Types of teaching and learning processes that will be explored include: aesthetic expression; communication through personal ideas/feelings; and arts appreciation. Cognitive and intellectual concepts through arts activities such as colour, size, rhythm, and melody will be examined.

EDUA201 Creative Arts Education

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDKA202
Subject Description: This course analyses and interprets the value of the arts and their application to the K-6 classroom setting. Students will: research, compare and interpret music and visual arts in a variety of contexts; identify and prepare appropriate arts education teaching materials; examine possibilities for integrating the arts with other subject areas; and be involved in listening, singing, playing, moving, creating, as well as in the making of art works.

EDUA224 Creative Arts KLA Elective I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUA201
Co-requisites: None
Exclusions: EDEA302
Subject Description: Students will participate in both the art forms of visual arts and music and gain a personal shared meaning and value of aesthetics in the arts. Students will appreciate the role of each art form through making and appraising their own works and the works of others.

EDUA331 Creative Arts KLA Elective II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUA201
Co-requisites: None
Subject Description: In this subject students focus on the interrelation of dance, drama, music and visual arts. The NSW K-6 Creative Arts syllabus will provide the framework for students to understand where commonalities occur across the arts. Cognisance will be given to the uniqueness and integrity of each art form.

EDUA441 Creative Arts Key Learning Area Elective III

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will engage in listening, creating and performing music as a means of: developing an understanding of how music can be valued in different ways; investigating and developing an understanding of the elements of music; and applying their understandings to the development of sequenced programs of work for the primary classroom.

EDUA442 Creative Arts Key Learning Area Elective IV

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will explore the creative arts key learning area from a visual arts perspective. Students will conceptualise the role of the artist, the researcher and the educator. Students will examine, explore and evaluate current visual arts practices and research.

EDUC213 Educational Psychology in Teaching and Learning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUF111 plus EDUF212 or 12 cp of related 100 level study
Co-requisites: None
Exclusions: Not to count with EDUE323
Subject Description: This subject will examine theoretical perspectives in educational psychology that focus on encouraging effective teaching and successful learning with school-aged children. Topics include development, cognition, intelligence, motivation, individual differences, personal development and communication in the classroom. Students will be

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encouraged to consider a variety of relevant theories and to develop an appreciation of the social and cultural contexts within which school children operate.

EDUC217 The Psychology of Exceptional Children

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUF111 plus EDUF212 or 12 cp of related 100 level study
Co-requisites: None
Exclusions: Not to count with EDUE322
Subject Description: This subject will examine the psychological and educational development of exceptional children. Students will be introduced to developmental theories, differing categories of exceptionality, methods for studying children and different methods of identifying exceptional children.

EDUC291 Youth, Culture, Education

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with EDUE325
Subject Description: This subject will introduce students to the study of youth culture and education. The subject will analyse the impact of changing cultures on youth and education in Australia. Changing social expectations, values and practices related to youth and the education system will be examined. The central role of language in the construction of identity will be explored. Students will be required to develop an understanding of 'youth culture' and issues of difference in education. Provision will be made for students to focus on issues relating to a range of age groups, including provision for early childhood.

EDUC292 Gender and Social Justice

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with EDUE324
Subject Description: This subject will examine the relationship between gender, social justice and education. Students will be introduced to the contribution made by feminist theory and research methods to educational practice and policy. Discourses of sexuality, inequality, meritocracy and democracy will be examined through an issues-based approach.

EDUE301 Issues in Aboriginal Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ABST361
Subject Description: This subject provides students with historical and sociological understandings from Aboriginal perspectives of the significant role formal education has played and continues to play as a site of struggle in the process of colonisation. Topics vary, but may include: the history of Aboriginal education in NSW; racial doctrines; individual and institutional racism; Aboriginal cultures, identities and education; various 'models' of Aboriginal education; current policies and issues; self-determination and education.

EDUE302 Aboriginal Pedagogy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ABST362
Subject Description: This subject canvasses a range of related issues which will help equip students with skills and knowledge related to: designing programs and teaching Aboriginal children, youth and adults in culturally-appropriate ways; and designing programs and teaching all people about Aboriginal Studies. Topics will vary, but may include: differences between Aboriginal education, Aboriginal studies, cultural studies, and anti-racist education; 'Western' and Aboriginal approaches to knowledge, teaching and learning styles, communication styles, and discipline methods; and methods for consulting with Aboriginal communities.

EDUE303 Teaching Language and Literacy Through Literature in Early Childhood

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on the theory and practice of using a literature-based approach in teaching to the early childhood years (preschool-year 2) The role of literature in developing children's language, literacy and critical thinking will be the primary emphasis. Children's literature discussed will include traditional literature (folktales, fables, myths and legends), picture books, big books, poetry, factual texts, realistic fiction and fantasy. A range of appropriate learning contexts, such as group discussions, drama and writing workshops will be used to model relevant classroom strategies.

EDUE304 Teaching Language Through Literature in the Primary and Middle Years

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on literature suitable for the needs, interests and abilities of middle to upper primary children. This subject will focus on the concept of 'narrative' and the elements that underpin narrative text. A central issue will be 'critical literacy' or 'critical appreciation' , which includes investigation into the nature of a 'hero', social and gender issues in reading and responding to literature, racial and gender biases and stereotyping.

EDUE305 Design and Assessment of Learning Experiences for Adults

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None

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Subject Description: This subject focusses on the essential processes in the design of effective learning programs for adults. It is concerned with assessing needs, setting objectives, establishing the scope and sequence of proposed programs, deciding on resources, planning how to assess learner performance and designing an evaluation strategy. Students will be expected to prepare a design statement which addresses a stated problem and reflects their understanding of the instructional design process.

EDUE306 Learning Strategies and Communication in Adult Education

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to a range of learning strategies appropriate to adult learners. It is based on a consideration of a basic model of interpersonal communication which will provide one criterion for the evaluation of the strategies. These will be modeled, described and examined throughout the subject so that students may experience and analyse them in order to make informed choices for their own applications.

EDUE307 Physical Education: Coaching and Sport Administration

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject analyses the general principles of coaching and sport administration. In coaching, topics include: coaching roles, psychological and physical factors, programming for all coaching environments and practical sessions. Students also undertake practical work and have the opportunity to complete the Australian Coaching Council Level 1 General Principles. In Sport Administration they have the opportunity to complete the Australian Society of Sport Administrators Level 1. Topics include strategic planning, operations management, financial aspects, legal issues, effective meetings and marketing and promotion.

EDUE308 PDHPE: Health Promotion

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine the concept of health promotion and will afford students the opportunity to specialise in a specific aspect of health promotion e.g. physical activity or community health. The latest research will be examined to reinforce the notion of health promotion in the community. There will be an emphasis in this subject on students aquiring skills in program development and implementation.

EDUE313 Interactive Multimedia by Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDIT102
Co-requisites: None
Subject Description: The subject reviews the basic principles of interactive multimedia design and develops a prototype interactive multimedia project using authoring tools. This will entail developing awareness and skills in visual thinking and communicating, an understanding of learning theory, and relevant cognitive and software tools. Issues of project management, rapid prototyping and a critical examination of design, implementation and evaluation will be addressed. Issues of resource management and product maintenance will also be considered.

EDUE314 Interactivity and the WEB (Designing Hypertext Multimedia)

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDIT102 or CSCI102
Co-requisites: None
Subject Description: This subject will apply the principles of instructional design and product development to an interactive web-based environment. The focus will be upon information design for a hypertext environment and the development of an informative and interactive Web Site. This will entail a discussion of project development, software tools for interactive and collaborative Web-Based environment development, the process of rapid prototyping and a critical examination of design issues that define effective sites. To undertake the project students will design an information structure and develop an interface and screen design.

EDUE315 Environmental Education - The Natural Environment

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on teaching in natural environments with children from local primary schools. Students will visit local field study centres and schools to engage in teaching and research. They will also be involved in seminar presentations of selected global and local environmental problems relevant to primary school children.

EDUE316 Environmental Education - The Built Environment

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on teaching in built environments with children from local primary schools. Students will visit urban field study centres and schools to engage in teaching and research. Students will also critically examine local environmental issues that relate to the use of appropriate technology in the built environment.

EDUE320 Behaviour Management

Autumn Loftus On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with EDUE311

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Subject Description: This elective examines the prevalence and aetiology of behaviour disorders and their effects on classroom learning and community integration. Practical classroom techniques which have been found to be effective in developing a supportive classroom environment and in increasing academic engaged time will be the focus of the subject. The issues of attention deficit hyperactivity disorder, oppositional behaviour, non-compliance, bullying and developing models of student and collegial support will be addressed.

EDUE321 Reading Difficulties

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with EDUE312
Subject Description: Both reading acquisition and reading comprehension will be addressed in this subject, with particular reference to those students who do not acquire these essential skills as quickly or as easily as their peers. The assessment of reading skills, including critical phonological skills, and the planning, implementation and evaluation of an appropriate reading program based on those assessment results, will form the basis of the subject.

EDUE322 The Psychology of Exceptional Children

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUF111 plus EDUF212 or 12 cp of related 100 level study
Co-requisites: None
Exclusions: EDUC217
Subject Description: This subject will examine the psychological and educational development of exceptional children. Students will be introduced to developmental theories, differing categories of exceptionality, methods for studying children and different methods of identifying exceptional children.

EDUE323 Educational Psychology in Teaching & Learning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUF111 plus EDUF212 or 12 cp of related 100 level study
Co-requisites: None
Exclusions: EDUC213
Subject Description: This subject will examine theoretical perspectives in educational psychology that focus on encouraging effective teaching and successful learning with school-aged children. Topics include development, cognition, intelligence, motivation, individual differences, personal development and communication in the classroom. Students will be encouraged to consider a variety of relevant theories and to develop an appreciation of the social and cultural contexts within which school children operate.

EDUE324 Gender and Social Justice

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUC292
Subject Description: This subject will examine the relationship between gender, social justice and education. Students will be introduced to the contribution made by feminist theory and research methods to educational practice and policy. Discourses of sexuality, inequality, meritocracy and democracy will be examined through an issues-based approach.

EDUE325 Youth, Culture, Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUC291
Subject Description: This subject will introduce students to the study of youth culture and education. The subject will analyse the impact of changing cultures on youth and education in Australia. Changing social expectations, values and practices related to youth and the education system will be examined. The central role of language in the construction of identity will be explored. Students will be required to develop an understanding of youth culture and issues of difference in education. Provision will be made for students to focus on issues relating to a range of age groups, including provision for early childhood.

EDUE326 Curriculum and Program Evaluation

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces the evaluation of curriculum and programs generally. Students will examine a range of evaluation types, purposes, techniques and examples, and develop skills in critiquing evaluations and devising a program evaluation.

EDUE327 Language and Ideology

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine the ways in which language contributes to the production and reproduction of culture and individual subjectivities. The emphasis will be on students' developing the analytical tools provided by critical discourse analysis, semiotics and systemic linguistics to interpret written, spoken, visual and lived texts.

EDUE329 Teaching Listening to Second Language Learners

Not on offer in 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an introduction to knowledge and skills needed to teach listening. It aims to help students to develop a deeper understanding of listening as an interactive process and from this perspective to develop techniques and procedures for teaching effective listening strategies.

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EDUE330 Teaching English in International Contexts

Not on offer in 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: TESOL has grown into a flourishing profession where the teachers are continuously exposed to a variety of cultures. In the course of cultural contacts, misunderstandings and misconceptions often occur. This subject is designed to better prepare the future TESOL professional to teach English effectively in international contexts. It offers a deeper understanding of cultural, linguistic and educational differences so as to help future teachers become more sensitive to social-cultural issues involved in teaching English in an international context. Students will have opportunities to familiarise themselves with employment prospects in various countries. However, the major focus of the subject will be on helping the students develop skills and strategies that will allow them to perform appropriately and professionally in international contexts.

EDUE341 Facilitating Peer Learning

Not on offer in 2008
Credit Points: 6
Pre-requisites: min. 24 credit points at 100 level
Co-requisites: None
Subject Description: This subject will enable senior students from across campus to develop and enhance their leadership, communication and teamwork skills through their involvement in the PASS (Peer Assisted Study Sessions) Program. The subject will also contribute to the on-going development of a peer learning community at UOW through peer tutoring across Faculties. Entry to this subject is conditional on applicants being considered suitable via a personal interview.

EDUE342 Physical Care and Development of Babies and Toddlers

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will critically examine the physical development of the baby and toddler and how this relates to the achievement of both gross and fine motor skills. Common physical problems that can influence this process will be explored. The subject includes the learning of practical skills to positively influence the baby/toddler's physical motor outcomes in the early childhood centre environment. Constructive play, appropriate day-to-day handling and working with parents and specialist staff will be included.

EDUE401 Issues In Aboriginal Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with EDUE301 and or ABST361
Subject Description: This subject provides students with historical and sociological understandings - from Aboriginal perspectives - of the significant role formal education has played and continues to play as a site of struggle in the process of colonisation. Topics vary, but may include: the history of Aboriginal education in NSW; racial doctrines; individual and institutional racism; Aboriginal cultures, identities and education; various 'models' of Aboriginal education; current policies and issues; self-determination and education.

EDUE402 Aboriginal Pedagogy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with EDUE302 and or ABST362
Subject Description: This subject canvasses a range of related issues which will help equip students with skills and knowledge related to designing programs and working with Aboriginal children, youth and adults in culturally-appropriate ways. Topics will vary, but may include: differences between Aboriginal education, Aboriginal studies, cultural studies, and anti-racist education; 'Western' and Aboriginal approaches to knowledge, teaching and learning styles, communication styles, and discipline methods; and methods for consulting with Aboriginal communities.

EDUE405 Assessing Performance In Adult Training

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to develop in the student the essential knowledge, skills, understandings and attitudes which will ensure sound evaluation of training programs. It is directed towards the establishment and consolidation of logical links between evaluation and instructional design and deals with the assessment of trainee performance and current skill levels. Attention is given to examining the importance of language competency in this assessment process. The formative and summative evaluation of training strategies will then contribute to the development of effective performance outcomes.

EDUE407 Inquiry Project In Physical and Health Education

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The student in consultation with a faculty member will be required to identify an appropriate topic for action research in Physical Education or Health Education settings. Each student will plan, conduct and report (approximately 6000 words) on the approved project. Group meetings of students will be arranged as necessary.

EDUE408 Placement In Physical and Health Education

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None

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Co-requisites: None
Subject Description: Students will work in either an applied Physical or Health Education setting. Two hours a week will be spent in the field with one hour a week spent in class. Students will be required to prepare a comprehensive report of their practical experience and will also give an in-depth presentation to the rest of the class. Staff will liaise regularly with student and site staff but will not supervise students on site.

EDUE411 Disability Issues Across the Lifespan

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine issues which face individuals with moderate to severe disabilities throughout their lives. It will address the Disability Services Act and Service Standards; personal care; family impact; community access and support; accommodation options; vocational and recreational opportunities; sexuality; legal and ethical issues; augmentative communication; aging and advocacy.

EDUE412 Programming for Individuals with Moderate to Severe Disabilities

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will address needs assessment and the design, implementation and evaluation of programs for individuals with moderate to severe intellectual disabilities as a result of Down Syndrome, Autism, neural tube defects, traumatic brain injury, severe cerebral palsy, and other developmental disabilities. The development of communication and social skills, independent living skills and intellectual growth will be addressed within the context of promoting individual rights and enhancing opportunities for participation in society.

EDUE413 Managing Multimedia Resources

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on skill development to manage multimedia resources. It begins with the development of an information management system to monitor and store project resources. This evolves into resource production and ongoing team communication via the web and chat spaces. The collection of resources requires careful organisation prior to its storage on CD. Students are required to keep a process journal to enable reflection and analysis of the information management cycle they have experienced.

EDUE414 Cognition, Interface and Interactivity

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores the relationship between interactive multimedia and the meanings that it can create. It will include a discussion of the psychology of interactive design, the role of non-linear narrative and navigation options. It will explore several strategies of interaction. In particular it will examine popular genres within interactive multimedia such as games and simulations and how the interface conventions are established and learned.

EDUE415 School and Community Based Sustainable Development Practices

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject students will critically examine the practices that communities, schools and government authorities employ to support sustainable development. Students will critically evaluate the education potential of various projects in sustainable development. Examples include Sydney's Sustainable House; Permaculture; and the Sustainable Energy Development Authority.

EDUE416 Environmental Education Through Information Technology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject students will critically examine how information technology presents environmental issues. Teaching methods employed in this subject will make appropriate use of information technology. Students will also be involved in the development of a suitable information technology resource for teaching about environmental education.

EDUF212 Education II

Spring Loftus On Campus
Spring Wollongong On Campus
Spring Shoalhaven On Campus
Spring Moss Vale On Campus
Spring Bega Flexible
Spring Batemans Bay Flexible
Credit Points: 6
Pre-requisites: 12cp of 100 level subjects
Co-requisites: None
Exclusions: EDFE301
Subject Description: This subject identifies and examines the major theories, perspectives and methodologies which support a critical awareness and understanding of issues of consequence in education in society. The role of education in gender, class and race relations is considered and students explore contemporary issues such as: inclusion of the differently-abled student; violence in schools and families; changing perceptions of sexualities; and the use and critique of technology and mass media.

EDUF303 Early Childhood Learning Environment III

Autumn Wollongong On Campus
Credit Points: 6

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Pre-requisites: EDUF201
Co-requisites: None
Subject Description: This subject will provide students with the theoretical background for creating optimal cognitive, socio-emotional & physical learning environments in early childhood settings. Students will be studying current research in early childhood education and child development and the implications for planning effective learning environments for young children. Students will take into account the diverse nature of the population and the importance of parent teacher relationships.

EDUF304 Early Childhood Curriculum

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: EDUF201
Co-requisites: None
Subject Description: The compulsory core of this subject examines different ways of conceptualising curriculum, and processes and approaches involved in curriculum planning in various early childhood settings. Students will be able to choose a specialisation within this subject, focusing on 0-3s, 3-5s or 5-8s. In this specialisation, students will be involved in collaborative inquiry into relevant curriculum policies and practices, and apply the findings of this inquiry to designing programs.

EDUF311 Education III

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUF101 OR EDUF111
Co-requisites: None
Exclusions: EDFE202
Subject Description: This subject is designed to provide students with an understanding of current research related to the major theories of cognitive development and the impact of these theories on contemporary teaching practice. The topics treated will include: information processing theories of cognitive functioning; metacognition and learning; Piaget and the neo-Piagetians; Vygotskian theory; theories of intelligence and creativity; psychological perspectives on motivation; and, cognitive development as a social and cultural process.

EDUF313 Historical and Philosophical Perspectives of Early Childhood

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUF212
Co-requisites: None
Subject Description: This subject will critically examine the importance of early childhood education, perspectives on childhood in different historical contexts, the roles of children and families in learning and schooling, and childrearing practices in different historical and societal contexts. The impact of historical changes and philosophical shifts upon the world of the child and upon the development of early childhood services and programs will be considered.

EDUF353 Management of Early Childhood Services

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will prepare early childhood educators to fulfil the roles of organizational communicator, leader, teamworker, (action) researcher, and supervisor of staff. Topics -as they relate to early childhood professionals- such as industrial issues, human resources management, change management effective communication, legal responsibilities, use of technology in services management, personal career management, and contextual issues will be covered. The delivery strategy of self directed teamwork will provide practical experience in group dynamics, conflict resolution, team building and leadership.

EDUF421 Leadership and International Perspectives In Education

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to prepare teachers for their roles as leaders in their classrooms, and future leaders in schools. The subject is divided into three parts: leadership of schools, leadership of learning and leadership in the future. Principals of schools are regularly invited to speak to the class about current concerns and new developments in schools. The global perspective on leadership relates issues and innovations in education to broader international perspectives to suit Australian needs in a globalised context. Students participate in a range of practical activities designed to build teamwork, engage in decision-making and problem solving, speak publicly on key educational issues, and read widely from literature on educational leadership. The students are expected to research, describe and analyse different concepts of leadership and management, and each week students reflect on and inquire into their own leadership preferences, styles and strengths, including setting goals for improving their personal approaches to learning, teaching and leadership.

EDUL101 Language and Literacy Education I

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDKL102
Subject Description: This subject examines theoretical foundations and develops practical strategies for the teaching of reading. It examines the relationships between reading, writing and oral language development and explores the knowledge and strategies readers use to make meaning from both literary and factual texts. Students will become familiar with the developmental patterns of emergent, beginning and fluent readers and the respective teaching and assessment strategies.

EDUL202 Language and Literacy Education II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUL101 - Language & Literacy Education I
Co-requisites: None
Subject Description: This subject examines theoretical

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foundations and develops practical strategies for the teaching of writing. It examines the relationship between reading, writing and oral language development and explores the knowledge and strategies writers use to compose the range of literary and factual texts. Students will become familiar with the developmental patterns of emergent, beginning and fluent writers and the respective teaching and assessment strategies.

EDUL224 Language Education KLA Elective I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUL101
Co-requisites: None
Subject Description: This subject will focus indepth on Early Stage 1 & Stage 1 of the English K-6 Syllabus. It will examine the relationship between the outcomes, assessment of literacy learning, the design and implementation of learning activities, and the creation of effective classroom settings. It will examine a range of teaching/learning activities and the use of time, resources, that K-2 teachers use to plan, implement and evaluate their literacy curriculum.

EDUL301 Language and Literacy Studies in Early Childhood

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUL101
Co-requisites: None
Subject Description: This subject examines language and literacy development in the early childhood years. Topics include: early spoken language development; emergent literacy development; later reading and writing development; the role of picture books in children's lives; and the relationship between development and children's learning environments. Teaching strategies for supoporting children's talk, reading and writing will be addressed. Students will be involved in conducting independent inquiry in teams into aspects of children's language and literacy development.

EDUL312 Understanding Literacy Needs Of Adolescents

Spring Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine the characteristics and needs of adolescent students and in particular adolescent literacy. It will explore the social emotional, intellectual and physical developmental period of adolescence and examine specific issues of 'identify', 'peer acceptance', 'independence', 'social and political awareness' and how these characteristics relate to adolescent literacy development and specifically to the learning and teaching of mathematics and science. What literacy is and the role it plays in learning will be demonstrated. Practical classroom strategies and techniques will be introduced that will enhance the learning experiences of the adolescent student.

EDUL335 Language Education KLA Elective II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUL202
Co-requisites: None
Subject Description: This subject will focus indepth on Stage 2 & Stage 3 of the English K-6 Syllabus. It will examine the relationship between the outcomes, assessment of literacy learning, the design and implementation of learning activities, and the creation of effective classroom settings. It will examine a range of teaching/learning activities and the use of time, resources, that Year 3-6 teachers use to plan, implement and evaluate their literacy curriculum.

EDUL441 Language Education Key Learning Area Elective III

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will focus on the assessment and evaluation of literacy in all its current modes. Students will be required to translate theoretical frameworks of assessment and evaluation into a set of practical profiles and benchmarks for use in the classroom.

EDUL442 Language Education Key Learning Area Elective IV

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will take the form of a school based inquiry project into some aspect of literacy education. Students will be asked to identify a problem worthy of inquiry, develop a needs analysis and proposal; carry out a literature review in the area; carry out action research and data collection and finally write a brief report presenting the findings.

EDUM224 Mathematics Education KLA Elective I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUM102 or EDUM201
Co-requisites: None
Exclusions: EDEM302
Subject Description: This subject provides the opportunity for students to explore the teaching of Mathematics in the primary context in light of current theoretical approaches, including the Dimensions of Quality Teaching and the 'Count me in Too' framework. This subject will focus on content and activities which, whilst using the Mathematics K-6 syllabus as its base, will also include cross curricular approaches to Mathematics teaching and learning such as the use of literature, drama, music, ICT and themes when planning and implementing authentic mathematical learning experiences. Students in this elective will be expected to prepare and present lessons in a school setting.

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EDUM333 Mathematics Education Elective II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUM102 or EDUM201
Co-requisites: None
Subject Description: Recent reform documents such as the NSW Mathematics K-6 Syllabus (2002) and Quality Teaching Framework (2003) articulate the importance of processes that mediate children's constructions of mathematical understandings. This subject will focus on a range of issues that impact on these processes including discourse and language, gender, ethno-mathematics, problem solving, scaffolding, use of technology, assessment, attitudes to mathematics and children with special needs. One session of the lecture and tutorial will be devoted to students preparing and analysing rich learning contexts for their upcoming practicum. The subject will extend the work done in EDUM201.

EDUM441 Mathematics Education Key Learning Area Elective III

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Scaffolding involves teachers actively seeking ways to assist children immerse in mathematics by supporting them initiate and sustain mathematical discussions and construct meaning through a process of negotiation. This process occurs in a social context in the classroom, and is facilitated by the range of tools that are used. In this subject, students will critically evaluate some of these tools, and examine their pedagogical value. The discussions will focus on the interplay between scaffolding, learning goals and support material that can be used to motivate children. Students will be encouraged to draw on practicum and current classroom teaching experiences in their reflections about the appropriateness and potential impact of resources in teaching concepts and skills relevant to K-6 mathematics. Students will be encouraged to identify a particular area of interest that has proven to be problematic for them as learners and teachers of K-6 mathematics.

EDUM442 Mathematics Education Key Learning Area Elective IV

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to examine themes and implications of the recent initiative by DET, Quality Teaching in NSW (2004). Within the context of K-6 mathematics, the major dimensions of the framework for classroom practice will be explored. The nature of deep and substantive mathematical learning and its relationship to numeracy and productive pedagogies are core areas to be explored. In this context, students will be invited to share the tensions and dilemmas of their own personal pedagogies as these are played out in their day-to-day classroom practice. There will be opportunities for student groups to construct IT-based learning environments and reflect on research findings concerning effective mathematical learning actions and activities.

EDUP131 Systemic Anatomy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: BMS101
Subject Description: This subject provides an introduction to the area of human gross anatomy through the study of each of the major systems of the body. In weekly practical sessions, students are exposed to anatomical structures through examination of cadaveric specimens, radiographic images, histological slides, audiovisual materials and anatomical models. Major topics include the skeletal, muscular, nervous, cardiovascular, respiratory, digestive and urogenital systems.

EDUP201 Personal Development, Health and Physical Education

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDKP201
Subject Description: This subject will introduce students to the Key Learning Area: Personal Development, Health and Physical Education. This KLA has a vital role to play in the immediate and future health promotion of young people. Students will examine current health issues facing young people and investigate the role of the school in addressing these issues through the Health Promoting School/ whole school approach.

EDUP223 Skill Analysis and Performance II

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP123
Co-requisites: None
Subject Description: Students will further their knowledge and understanding of the principles and practices involved in the development of specialised skills in a variety of movement experiences. Students will further their own skill level in each area covered, as well as examine the considerations for teaching these activities in schools. Through participation in a variety of practical and theoretical experiences students will further their ability to utilise a variety of teaching strategies when implementing Physical Education lessons.

EDUP224 Skill Analysis and Performance III

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP123
Co-requisites: None
Subject Description: In this subject students will continue to increase their knowledge and understanding of movement experiences taught in the Physical Education component of the PDHPE Syllabus. Combining the experience they have had in practice teaching, and the knowledge gained through a variety of theory and practical subjects, students will further their ability to plan and implement appropriate Physical Education lessons. Students will focus on continuing to improve their own personal performance as well as the selection of strategies to meet the special needs of individuals, create active participation, and to challenge and extend each student's capabilities in a broad range of physical activities.

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EDUP226 Personal Development, Health and Physical Education KLA Elective I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP201
Co-requisites: None
Exclusions: EDEP401
Subject Description: This subject will enable students to further develop the knowledge, understandings and pedagogical skills introduced in EDUP201 Personal Development, Health and Physical Education. School based experiences teaching PDHPE in a local primary school will allow students to apply their knowledge, understandings and abilities in teaching K-6 PDHPE in a practical context.

EDUP234 Exercise Physiology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP132
Co-requisites: None
Subject Description: This subject extends the study of human structure and function into the work and exercise domains. Areas to be studied include energy liberation and metabolism, applied muscle physiology and applied cardiorespiratory physiology.

EDUP235 Biomechanics For Educators

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP131 or BMS101
Co-requisites: None
Exclusions: BMS211
Subject Description: This subject introduces fundamental biomechanical principles to provide a basis for understanding the causes and effects of human motion. The subject is an extension of the basic principles of human structure and function studied in Systemic Anatomy and will include: (i) an introduction to analysis of movement; (ii) basic biomechanical principles of motion; and (iii) subjective analysis of movement.

EDUP243 Exploring Emotional Well Being

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine the mental, emotional, social and spiritual dimensions of health and the influence they have on an individual's total well-being. Students will identify current adolescent health issues and the role of PDHPE teachers in addressing these issues and promoting adolescent well-being.

EDUP246 Risk Taking and Young People

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will focus on risk taking behaviour in the context of young people's lives and culture, with specific reference to drug taking, suicide, and accidents. Current trends in prevention, intervention, postvention harm minimisation and building resilience will be examined. At the conclusion of this subject, students should have acquired a sound knowledge base which will enable critical examination of the underlying psycho-social factors associated with drug use, suicide ideation and other risk taking behaviours.

EDUP255 Teaching Physical Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP153
Co-requisites: None
Subject Description: This subject builds on previous studies of the nature of the learner and the learning environment in Physical Education. Opportunities will be provided for students to explore the variety of teaching/learning strategies available, their advantages and disadvantages, the criteria for their selection and their contribution to classroom communication. Students will be given the opportunity to apply their knowledge by participating in field experiences during the session. This includes a 5 day practicum in a secondary school which will enable students to apply the theories of teaching Physical Education to a practical setting.

EDUP256 Teaching Health Education

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP153
Co-requisites: None
Subject Description: This subject investigates teaching and learning in Health Education. Students will initially explore and analyse meanings of health and health behaviour theories and explore Health Education in secondary schools as a form of health promotion. The understandings which are developed will then be related to a variety of teaching and learning opportunites which exist in Health Education in secondary schools given the diverse nature of schools and learners. Health Education demonstration lessons will enable students to observe and reflect upon the teaching of experienced Health Education teachers. This subject includes a two week practicum in a secondary school which will enable students to apply the theories of teaching Health Education to a practical setting

EDUP301 Issues In Health & Physical Activity

Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: All teachers irrespective of subject area have a responsibility for the physical, social and emotional well-being of their students. This subject will focus on personal development, health and physical education issues which impact on the welfare and health status of young people. Issues in personal development/health could include: mental health, depression, eating disorders, suicide, drug use, and sexuality. In the physical activity area, the focus will be on increasing students' confidence. This would be achieved by: increasing knowledge of a variety of sporting activities; developing organisational skills necessary for conducting an efficient physical activity or sports session, and reinforcing an understanding of risk management in external environments.

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EDUP311 Principles & Practices of Coaching

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cr pts at 200-level
Co-requisites: None
Subject Description: This subject analyses the basic principles and practices of coach education. The emphasis will be placed on an understanding of the Australian Coaching system and pedagogical issues in coach education. Related issues to coaching such as time management and ethical issues will also be studied. Relevant discipline areas such as physiology and sports psychology will also be applied to coaching. On completion of the subject students will have acquired a General Principles of Coaching certification.

EDUP323 Advanced Skill Analysis I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP123
Co-requisites: None
Subject Description: The students' practical experience in racquet games; games such as cricket, softball and baseball, aquatics (AUSTSWIM); and target/cultural games will be further developed with continuing emphasis on teaching strategies, processes, planning and evaluation.

EDUP324 Advanced Skill Analysis II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP123
Co-requisites: None
Subject Description: This subject offers an extension of students' prior work in practical studies through experiences with a games sense approach, and the choreography and performance of dance, gymnastics and aerobics routines. The emphasis will be on unit planning, processes and the methodology of teaching in the areas of artistic and display gymnastics, soccer,kayaking and rock climbing.

EDUP333 Motor Learning

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to develop an understanding of concepts related to skill acquisition and the psychology of sport. Through a variety of practical laboratories, seminars, workshops and lectures, students will be able to identify basic models of information processing, memory and attention; identify stages of learning and appropriate methods of instruction and use practice variables, feedback, transfer, psychological techniques, programmed instruction and mechanical aids to enhance the teaching of motor skills.

EDUP335 Personal Development Health and Physical Education KLA Elective II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP201
Co-requisites: None
Subject Description: This subject will expand knowledge and skills in the Key Learning Area of Personal Development, Health and Physical Education. The subject will generally focus on individuals and how they relate to other people during physical activity and in their interactions with others. Emphasis will be placed on the promotion of positive mental health and the relationship of physical activity to this concept. Content and understandings will be examined from a strong pedagogical base. Students will have the opportunity to develop appropriate teaching strategies and approaches which can be applied to indoor and outdoor settings.

EDUP346 Sexuality, Identity And Relationships

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will afford students the opportunity to examine the complexity and diversity of a variety of issues related to sexuality, identity and relationships. Issues covered will include: perspectives on sexuality; gender construction;communication in relationships; sexual orientation; STIs; harassment/ assault; discrimination; cyber relationships. In addition, students will identify important aspects of sexuality education programs, such as dealing with controversial and sensitive issues; creating safe environments; acknowledging diversity; developing an inclusive classroom and developing personal values and attitudes.

EDUP355 Curriculum Perspectives and Issues in Physical & Health Education

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cr pts at 200-level including either EDUP255 or EDUP256
Co-requisites: None
Subject Description: This subject will enable students to develop an understanding of the foundations of curriculum development as it relates to Physical and Health Education. A particular focus will be placed upon Physical and Health Education in a post compulsory education setting. These understandings will be achieved by engaging students in an analysis of state and national curriculum models that have relevance to Physical and Health Education. Students will critically analyse contemporary issues that impact upon the Physical and Health Education curriculum as well as undertake curriculum planning and development tasks. At the completion of this subject students will undertake a 3 week block practicum in a secondary school.

EDUP361 Progress and Issues in Health and Health Promotion

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cr pts at 200-level
Co-requisites: None
Subject Description: On completion of this subject students will have critically examined the modern concept of health and factors affecting health status. Students will have investigated the scientific basis for health promotion and the research underpinnings associated with health promotion; health behaviour and health behaviour change.

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EDUP362 Issues in Drug Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cr pts at 200-level
Co-requisites: None
Subject Description: This subject provides for the examination and development of individual knowledge, skills and attitudes which will facilitate the drug education process. Content will include: drug use trends and issues; behavioural theories of drug use and dependence; perspectives on individual and societal attitudes to drug use, and the development of skills and programs relevant to providing meaningful drug education for young people.

EDUP363 Stress Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cr pts at 200-level
Co-requisites: None
Subject Description: This subject will explore the elements of mental health and their relationship to stress. The concept of stress will be examined as well as the theory of stress management. On successful completion of this subject, students will have conducted a stress management workshop. As well students will have identified and evaluated various stress management techniques and explained reasons why individuals may deviate from good health practices.

EDUP366 Independent Project in Physical and Health Education

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP391 or EDUP 332
Co-requisites: None
Subject Description: This subject will provide students with the opportunity to engage in an individual project with close guidance through all stages of the project. The project may take a variety of forms including: working with health or sport groups or organisations; an action research project in a school or community setting; investigating a particular social phenomenon; developing a product using hypermedia or video and developing and piloting an honours proposal.

EDUP367 Sports Studies II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cr pts at 200-level
Co-requisites: None
Subject Description: This subject provides the opportunity to complete Level 1+ or equivalent accreditations. Advanced Resuscitation, Sports Taping and Triathalon are some of the accreditations offered. A variety of recreational pursuits and associated risk management strategies will be explored within the subject. Liaison with schools and sporting associations will develop leadership, understanding and appreciation of sport and recreational activities.

EDUP368 Fitness Assessment and Exercise Prescription

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP131, EDUP132 and EDUP234
Co-requisites: None
Subject Description: This subject is designed to integrate theoretical concepts with practical experiences to reinforce an understanding of the components of fitness and health. This will result in autonomous decision making to enhance a healthy lifestyle. The ability to plan, implement and evaluate exercise programs through understanding the role of nutrition and exercise in stress management and alleviating the degenerative effects of hypokinesia will be developed.

EDUP381 Outdoor Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cr pts at 200-level
Co-requisites: None
Subject Description: This subject is designed to introduce students to the pedagogical concepts of outdoor education and recreation. Specific content will examine aims, objectives and examples of outdoor education programs with an emphasis on school based programs. By the conclusion of the subject students will exhibit practical skills such as route planning, navigation, campsite and equipment selection.

EDUP382 Leadership and Management Skills in Outdoor Education

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP381
Co-requisites: None
Subject Description: This subject is designed to introduce students to leadership, administration and managerial aspects involved in outdoor education and recreation. Specific content will examine various styles of leadership in outdoor education programs in a variety of educational contexts. Practical skills such as setting up abseiling and rock climbing systems and preparing for and conducting, major expeditions are used as a vehicle to integrate theory and practice.

EDUP391 Research and Evaluation in Physical and Health Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cr pts at 200-level
Co-requisites: None
Exclusions: EDER301
Subject Description: This subject will provide students with an introduction to the different approaches used in research and evaluation in physical and health education and related fields. For each of these appproaches the following aspects will be examined: underlying assumptions; planning the research or evaluation; collecting, analysing, interpreting data and reporting findings; ethical issues involved in the research or evaluation process. Students will also be introduced to the use of statistics in research and evaluation.

EDUP392 Social and Cultural Perspectives in Physical Activity and Phys Ed

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cr pts at 200-level
Co-requisites: None
Subject Description: This subject examines sport

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and physical activity from a socio-cultural perspective, with a specific focus on topics such as ethnicity, youth culture, gender, sexuality, the body, meanings of health and the commodification of physical activity. A critical analysis of print and electronic media is used to explore how particular representations of sport and physical activity contribute to social values and to ideas about physical activity. It is in this context that the place and meaning of physical education in young people's lives is then examined.

EDUP430 Project in Physical and Health Education

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: A report or major essay is required to satisfy the requirements for this subject. The topic is to be approved by the subject coordinator. The final project may take the form of: (a) a report of original work performed by the student; (b) a theoretical investigation of a research related problem; (c) a multimedia presentation of a physical or health education topic.

EDUP435 First Aid and Sports Medicine

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The health and physical education teacher has a diversity of roles and responsibilities within the school environment. They not only have the responsibility to deliver safe and effective physical education and sport programmes, but must also educate students in injury prevention and first aid. Consequently, it is essential that they have a sound knowledge in both the theoretical and practical aspects of first aid and sports medicine. This course is designed to give students the knowledge and skills to prevent, assess, and treat injuries and prepare them to teach first aid in the 2 Unit PDHPE Preliminary Core; sports medicine in the 2 Unit PDHPE HSC Course, and first aid/injury prevention components in the K-6 and 7-10 PDHPE syllabi. Students have the option in this course to pay an additional cost and complete a combined Level 1 Sports First Aid and Level 1 Sports Trainer accreditation from Sports Medicine Australia.

EDUP441 PDH&PE Key Learning Area Elective III

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject looks at advanced programming and planning in Physical Education and the contribution of PE to the overall development of children. Issues such as legal aspects and administrative procedures related to primary school physical events such as carnival organisation will be covered. The game centered approach is analysed in great depth from both a theoretical and practical perspective. Students will also participate in practical sessions.

EDUP444 PDH&PE Key Learning Area Elective IV

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will investigate the health promoting schools concept. Specific content will vary according to the needs/interests of the group, but could include some of the following: programming for PD/Health; 'healthy school' projects; children with special health needs - asthma, diabetes, epilepsy, cancer; dealing with crises in classrooms e.g. protective behaviours, conflict resolution, assertiveness, bullying, violence; issues in sexuality; loss and grief.

EDUP446 Contemporary Health Issues

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In today's society there are many exisiting and emerging health issues, which relate to young people. Many of these are difficult to address as they are the result of the complex interaction between psychosocial, sociological, and political environments. This subject will give students the opportunity to identify current health issues relating to young people. Further, it will equip them with the skills to seek out appropriate support networks and agencies within the community and to put into place processes that will assist young people to better deal with these health issues. Specific content will be identified by the students, according to their needs and interests.

EDUP447 Sports Studies I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides the opportunity to complete Level 1+ or equivalent accreditations. Scuba Diving, Rugby League/Union and Surf Rescue Certificate are some of the accreditations offered. Other accreditations, such as refereeing certificates, can be negotiated depending on the interests of the group. An understanding of the physical and recreational benefits and safety precautions related to students' area of choice will be developed with an analysis of pedagogical issues in coaching/refereeing/administration.

EDUP453 Professional Studies in Physical and Health Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP355
Co-requisites: EDUP454
Subject Description: This subject will conclude the sequence of studies in the curriculum and pedagogy strand by focusing on the professional preparation of final year student teachers in Physical and Health Education. Students will engage in critical analysis , investigation and reflection as a means of developing an understanding of current models of quality teaching; demonstrating competence in programming and assessment in Yrs 7-12 PDHPE using current policies; exploring innovative

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teaching strategies in Physical and Health Education and developing a professional teaching portfolio to demonstrate their beginning teacher competence.

EDUP454 Physical and Health Education Extended Practicum

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP355
Co-requisites: EDUP453
Subject Description: This final teaching practice is designed to provide an extended teaching experience which approximates the work of a full time secondary Physical and Health Education teacher. The extended period of practice enables the beginning teacher to bring together teaching and curriculum development skills, by taking responsibility for programming, implementing and evaluating appropriate sequences of learning experiences for secondary school students based on their developmental needs and learning styles.

EDUP491 Theory and Application of Special Ed in P&HE

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will analyse the contribution that Physical and Health Education can make to responding to students with a wide range of learning needs. On completion of the subject students will have developed basic skills in the individualisation of instruction, analysed and evaluated theoretical issues underpinning the education of learners with exceptional needs and critically evaluated current trends in relation to the policies of integration in schools and the community.

EDUP492 Leadership and Management in Physical and Health Education

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will be introduced to the nature and scope of leadership and management in physical and health education and sport. The subject will focus on current and future issues of leadership and management of staff and event management with other significant responsibilities related to both education departments and community sporting organisations also discussed.

EDUS102 Science and Technology Education

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDKS102
Subject Description: This subject develops teaching skills that support constructivist based learning in science. It examines some of the ideas children have about energy, motion, electricity, time and space, and the environment so that pre-service teachers can appreciate some of the prior conceptions children bring to their own learning situations in science.

EDUS104 Human Society and Its Environment

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with EDUS203 or EDKH102
Subject Description: This subject is concerned with developing an understanding of the nature and importance of an integrated humanities course within the primary school curriculum. It focuses on the Australian content for this KLA and on raising awareness of appropriate methodologies and choices of content for each year level. HSIE is a key KLA for the examination of attitudes and values and this informs the work undertaken in this subject.

EDUS122 Mathematics in Early Childhood

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will examine relevant aspects of the current Mathematics K-6 syllabus that apply to children under 8 years of age. Students then critically evaluate a range of approaches to the instruction of young children in science and mathematics.

EDUS224 Science and Technology Education KLA Elective II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUS102
Co-requisites: None
Subject Description: This subject focuses on the discipline areas of education with emphasis on different ways of planning for the Science and Technology K - 6 syllabus. At all times the link between science and technology will be stressed. Students will study the implications of recent research into children's understanding of scientific concepts to the teaching of science. Students study three different frameworks for planning.

EDUS226 Human Society and its Environment KLA Elective I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUS104
Co-requisites: None
Subject Description: This subject studies teaching strategies in a range of theme areas. The central idea is to develop confidence with different types of strategies and to learn to develop effective teaching aids within a short period of time. This subject uses content from the syllabus to develop teaching and learning strategies applicable K-6. Unit writing is also developed.

EDUS333 Science and Technology Education (K-6) Elective I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUS102
Co-requisites: None
Exclusions: EDES302

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Subject Description: During this subject students will plan a five week sequence of science education lessons that relate to one of the syllabus topics. They will teach 5 lessons from the unit they developed at a local primary school. Students therefore plan, implement and evaluate their lessons.

EDUS335 HSIE KLA Elective II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Successful completion of this subject will mean that the student has developed an understanding of how global matters relate to the HSIE syllabus. It will also extend understanding of how to incorporate other content into the given outcomes. Interaction and interdependence of all systems within our world is the unifying concept. Knowledge and understandings about all continents is a feature of this subject. Students will develop a range of teaching strategies which will incorporate global perspectives into the HSIE curriculum.

EDUS411 Science and Technology Education KLA Elective III

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines in detail the investigating processes emphasised in recent primary school science and technology syllabuses. It promotes changes in teacher behaviour required to effectively develop, implement and evaluate instructional programs that employ the processes of investigation.

EDUS414 Science and Technology Education Key Learning Area Elective IV

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject incorporates study of educational theory supporting teaching strategies currently employed in technology and design education. This subject critically examines approaches that have been taken to design and technology in the United Kingdom. These approaches will be compared with the recommendations in the Technology - a curriculum profile for Australian Schools (1994). The proposed recommendations for levels 1 to 4 will be critiqued and implications for primary schools discussed.

EDUS441 Human Society and Its Environment KLA Elective III

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In the course of this subject students will use a problem solving approach to examine critically and develop possible, probable and preferred scenarios on a range of global issues. Topics may include: goals for a better world: alternative futures: ecological analysis of consumerism: population and food supply: women's issues: urbanization: informed citizenship.

EDUS444 Human Society and Its Environment Key Learning Area Elective IV

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed for students who have a deep interest in HSIE and who wish to be leaders in the area. A theoretical base for planning in social studies/HSIE will be studied. Students answer a range of inquiry questions to determine key features of competency in the teaching of HSIE. Research based papers are led by students and are studied in groups and alternative approaches to the development of scope and sequences in HSIE are developed.

EDUT104 Introduction To Teaching / Learning

Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject, students will develop understandings about general principles that underpin learning and teaching as a dynamic relationship in the classroom. They will be introduced to the fundamental concepts of pedagogy (the art of teaching), and will focus on various approaches to the areas of lesson planning and classroom management that are two of the most important issues facing beginning teachers. In addition, an understanding of the issues related to the transition of children from primary to secondary school will be covered as well as issues about child protection and student welfare. The subject will include a practicum with 5 separate days plus a one-week block.

EDUT204 Professional Mathematics Community I

Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to develop competencies needed for planning and teaching the NSW Mathematics syllabus (Stages 4/5). Students will appreciate the nature of mathematics and how this impacts on pupils' thinking and classroom learning of mathematical concepts and conventions. It will provide students with ideas and opportunities to apply practice and develop basic teaching competencies that are appropriate for year's 7-10 mathematics. These competencies reflect an understanding of the school culture, classroom environment and involve the design and evaluation of a series of lessons. Suggestions for classroom management strategies for effective teaching will be presented. The subject will include a practicum with 5 separate days plus a two-week block.

EDUT206 Professional Science Community I

Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: None

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Co-requisites: None
Subject Description: This subject covers teaching and assessment strategies applicable to the NSW Science syllabus (Stages 4/5). It involves a critical examination of mandatory policies that affect teachers & students across the prescribed focus areas in order to develop pedagogy that models best practice. Ideas for classroom management strategies for effective teaching will be presented. Students will encounter a range of hands-on experiences with a variety of stimulus material to enhance their learning opportunities and assist in developing strategies for teaching science in ways that contribute to scientific literacy. The subject will include a practicum with 5 separate days plus a two week block.

EDUT211 Curriculum and Pedagogy II

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUT111 or EDPD101
Co-requisites: None
Exclusions: EDPD202
Subject Description: This subject builds on the skills and knowledge of EDUT111. Topics include: the theory and application of the role of the teacher; principles of curriculum planning; interactive learning and teaching strategies; principles of student assessment; classroom organisation and management. Students will apply these areas of understanding to planning sequences of lessons, to teaching practice, and to communicating effectively in the classroom.

EDUT301 Research Methods

Autumn Wollongong On Campus
Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: EDUT211 or EDUT104
Co-requisites: None
Exclusions: EDER301
Subject Description: This subject is designed to introduce students to a range of inquiry and evaluation strategies relevant to the development of a reflective teacher. Topics will include: an overview of inquiry paradigms; assumptions underpinning different paradigms; critically reviewing research literature; developing skills in data gathering, representation, analysis and interpretation; ethical issues associated with educational inquiry; and the design, implementation and reporting of an educational inquiry.

EDUT302 Curriculum and Pedagogy III

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: EDUT211
Co-requisites: None
Subject Description: Approaches to curriculum design and change and an appreciation of the complexity of the teacher's role in the classroom, school and the community will be developed. A school level inquiry will evaluate an aspect of school curriculum or policy related to across-curricular equity perspectives. For the extended practicum a five week program in all KLS's will be required. As part of this experience students will be expected to display confidence and competence in interpersonal relations and complete and evaluate an effective teaching position for six weeks.

EDUT304 Professional Mathematics Community II

Spring Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will develop understanding of teaching and assessment strategies applicable to the NSW Mathematics syllabus Stages 6, including requirements for the three HSC mathematics subjects. Students will encounter a range of experiences that are aimed at identifying and investigating the deep structure of mathematical understanding and problem solving. The theme 'learning mathematics within a classroom community' will be investigated via a series of episode-based seminars. Discussion will also examine the role of teachers in establishing communities of mathematical inquiry in the classroom. It will build on the understandings and skills developed in EDUT204, further preparing students for the Professional Practice component of the course. The subject will include a practicum with 5 separate days plus a two-week block.

EDUT306 Professional Science Community II

Spring Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers teaching & assessment strategies applicable to the NSW Science syllabus for Stage 6. It involves a critical examination of mandatory policies that affect teachers & students across the Preliminary & HSC courses. This course assists pre-service teachers in planning & conducting investigations, communicating information & understanding, & developing scientific thinking & problem-solving techniques. It will focus on the current scope of contemporary education, curriculum development and research in the areas of Earth & Environmental Science, Physics & Senior Science. The subject will include a practicum with 5 separate days plus a two-week block.

EDUT403 Research Methods in Education

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subjects extends students' understandings of qualitative and quantitative inquiry paradigms in educational research. This subject is designed particularly to support honours students as they conduct their honours thesis. As such, topics covered will extend students' understandings of ethics, and of identifying a research question, writing a literature review, choosing an effective research method, gathering, representing, analysing and interpreting data, and report writing.

EDUT404 Professional Mathematics Community III

Spring Loftus On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject students will review

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a number of theoretical frameworks and evaluate their impact on 7-12 mathematics learning and teaching. It is intended that students will reflect on the influence of cognitivist and constructivist perspectives on classroom practices and design of productive learning environments. Seminars will also focus on cultural, social and organisational constraints that have traditionally impeded access to mathematics. The use of Information Technology in the examination of growth of deeper understanding of selected mathematics concepts will be explored further. It will build on the understandings and skills developed in EDUT204 and EDUT304, preparing students for Professional Practice and leading to the development of confidence and competence in applying class management skills, and facilitating the use of post-lesson reflection and evaluation. This subject will include a practicum with five separate days plus two two-week blocks.

EDUT405 Critical Approaches To Curriculum

Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers fundamental principles of curriculum design, implementation and evaluation, and critiques them from a variety of perspectives, within NSW, Australian and international contexts. This subject addresses issues such as the competing interests of different curriculum stakeholders, questions of rigour and the determination of subject content, unequal learning outcomes, critiques of the curriculum within academic, media and political domains and the contribution of research in learning and teaching. Part of the subject will require students to apply these critiques to their own teaching subject(s).

EDUT406 Professional Science Community 111

Spring Loftus On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will focus on how to become an effective member of a secondary science staff. This includes understanding the stage 4-6 syllabus documents, related school documents, how to plan a teaching program, how to devise assessment and reporting schemes, devise and organise resources as well as how to work in a team. Seminars will also focus on cultural, social and organisational constraints that have traditionally impeded access to science. The use of IT in the examination of growth of deeper understanding of selected science concepts will be explored further. It will build on the understandings and skills developed in EDUT306 and, preparing students for Professional Practice and leading to the development of confidence and competence in applying class management skills, and facilitating the use of post-lesson reflection and evaluation. The subject will include a practicum with five separate days plus two two-week blocks.

EDUT422 Reflective Practice

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject students will study the application of action research as it relates to inquiry in professional settings. This suibject develops the knowledge and skills needed to develop and implement an inquiry project in an educational setting.

EDUT432 Inquiry Project in Education

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will require students to plan, conduct and report upon an inquiry focused upon educational aspects of a Key Learning Area or educational problem. Skills in library research, critical analysis of selected educational literature, and critical review of journal material are relevant to the inquiry project. The project will consist of a collaborative or individually-defined topic that is negotiated with the supervisor.

EDUT490 Project In Early Childhood

Annual Wollongong Flexible
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject deals with the theory and practice of action research in early childhood classrooms and other institutions or young children. Students will undertake an action research project on an approved topic.

EDUT493 Thesis

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: The student will be required to complete a thesis, approximately 20,000 words, in length, based upon a course of supervised study on a topic chosen by the student and approved by the supervisor.

EDUT495 Selected Topics in Early Childhood Education

Annual Wollongong On Campus
Credit Points: 18
Pre-requisites: EDUF303
Co-requisites: None
Subject Description: The student will be required to undertake Advanced Research methods as a component of this subject.

EDUT496 Honours Thesis in Early Childhood

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: The student will be required to complete a thesis, approximately 20,000 words based upon a course of supervised study on a topic chosen by the student and approved by the supervisor.

EDUZ401 Education Honours

Annual Wollongong On Campus
Credit Points: 24

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Pre-requisites: 24 cp of 300-level Education at credit level or better
Co-requisites: None
Subject Description: Emphasis within this course is on both quantitative and qualitative approaches to research. The main emphasis in the taught components will be upon the nature of evidence, types of evidence, analysis and integration of evidence. Thesis topics will normally be selected from the areas of: Cognitive studies and learning; Curriculum studies; Language development and curriculum; Measurement and evaluation; Cross-cultural psychology; History of education; Gender studies; Literacy studies; Sociology of Education.

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Faculty of Engineering

Member Units

School of Civil, Mining and Environmental Engineering
School of Mechanical, Materials and Mechatronic Engineering
School of Physics

Degrees Offered

Bachelor of Engineering
Bachelor of Medical and Radiation Physics Advanced (Honours)
Bachelor of Medical and Radiation Physics
Bachelor of Science (Materials)
Bachelor of Science (Photonics)
Bachelor of Science (Nuclear Science and Technology)
Bachelor of Science (Physics)
Bachelor of Science (Honours) Advanced Program – Physics
Bachelor of Science (Physics and Mathematics)
Bachelor of Science (Nanotechnology) (See Faculty of Science)
Bachelor of Nanotechnology (See Faculty of Science)

Double Degrees

Bachelor of Engineering - Bachelor of Arts
Bachelor of Engineering - Bachelor of Commerce
Bachelor of Engineering - Bachelor of Computer Science
Bachelor of Engineering - Bachelor of Laws (See Faculty of Law)
Bachelor of Engineering - Bachelor of Mathematics
Bachelor of Engineering - Bachelor of Science
Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science)
Bachelor of Science (Physics) – Bachelor of Mathematics
Bachelor of Science (Physics) – Bachelor of Commerce
Bachelor of Science (Physics) – Bachelor of Arts
Bachelor of Creative Arts – Bachelor of Science (Physics) (See Faculty of Creative Arts)
Bachelor of Science (Physics) – Bachelor of Laws (See Faculty of Law)
Bachelor of Engineering (Faculty of Informatics) – Bachelor of Science (Physics)

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/index.html
International - www.uow.edu.au/prospective/international/fees/

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Bachelor of Engineering

Civil Engineering

Environmental Engineering

Materials Engineering

Mechanical Engineering

Mechatronic Engineering

Mining Engineering

Course Requirements

The normal full-time load for a Bachelor of Engineering is 48 credit points per year and, apart from thesis and professional experience subjects, all subjects have a credit point value of six. All students must complete the required number of credit points and satisfy all course requirements for a degree or double degree before graduation. Refer to course structures below.

The Bachelor of Engineering normally takes four years to complete, with double majors and double degrees normally taking five years to complete. All students must take notice of the Course Rules regarding minimum rate of progress.

Full-time Bachelor of Engineering students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between the third and fourth years.

Each student must prepare a substantial project (thesis) on a research or design topic under the supervision of an academic staff member. There are two thesis options – ENGG452 Thesis A (12 credit points) and ENGG453 Thesis B (18 credit points). ENGG453 may be taken by students in the Engineering Scholars Program, or by other high achieving students, with permission of the Sub Dean. ENGG453 students are exempt from one six credit point elective.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Explicit details will be provided to students at the commencement of each subject by the subject coordinator.

Students should attend all classes including lectures, tutorials and laboratory classes.

Scholars Program

Students require a UAI of 93 to enter the Scholars Program in first year. Once accepted to the program students need to achieve a Weighted Average Mark (WAM) of at least 75 each year to maintain a place. Current students can apply for a course transfer to this program after completion of a minimum of 48 credit points. Scholars Program students must complete all requirements for their respective degrees.

Scholars Research Options

Engineering Scholars Program students have the option of undertaking research projects with the various Faculty Research Units. Students should discuss proposals with the Sub Dean or Discipline Advisor before enrolling in any of the following six credit point elective subjects:

ENGG171 Scholars Research Project 1

ENGG271 Scholars Research Project 2

ENGG371 Scholars Research Project 3

Professional Options

The Faculty encourages the development of engineering skills and knowledge gained in the workplace through Professional Options. Students who work in appropriate industries can enrol in Professional Option subjects and count their industry skills and knowledge toward their degree.

Depending on the degree, and subject to approval by the Discipline Advisor, students will be able to take up to three of the following six credit point Professional Option subjects during their course:

ENGG255 Professional Option 2

ENGG355 Professional Option 3

ENGG455 Professional Option 4

Honours

Honours are awarded at the end of the course on the basis of overall performance throughout the course.

Advanced Standing

Applicants holding relevant TAFE Diplomas and Advanced Diplomas with a credit average will be granted 48 credit points (one year) of advanced standing. Applicants with less than a credit average will be assessed on a case by case basis. Students are advised to take the maximum number of mathematics and science units available in their TAFE course. Credit may also be given for appropriate work experience, or for courses completed in the workplace.

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Professional Recognition

The Engineering degrees have been fully recognised by Engineers Australia. This recognition ensures that graduates from this course are admitted, on application, to the grade of Graduate Membership of Engineers Australia.

Study Options – Double Majors

A number of double engineering majors are available:

Bachelor of Engineering – Civil/Mining

Bachelor of Engineering – Civil/Environmental

Bachelor of Engineering – Mining/Environmental

These programs of study usually take five years to complete. Students may apply to transfer to a double major at the end of the first year of study. Study programs are detailed in the following pages.

Study Options – Double Degrees

A number of double degrees are offered by the Faculty of Engineering:

Bachelor of Engineering – Bachelor of Arts

Bachelor of Engineering – Bachelor of Commerce

Bachelor of Engineering – Bachelor of Computer Science

Bachelor of Engineering – Bachelor of Mathematics

Bachelor of Engineering – Bachelor of Science

Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science)

Bachelor of Engineering – Bachelor of Laws: refer to the Faculty of Law section of this Handbook.

Further Studies Options

Graduates can apply for entry to the Master of Engineering Practice, Master of Engineering, Master of Engineering-Research or PhD. Continual education is a requirement for registration as a professional engineer, and most engineers undertake further study and/or short courses. Research opportunities are also available.

Bachelor of Engineering (Civil Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Civil Engineering)
Abbreviation:	BE(Civl)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721
UAC Code:	755611
CRICOS Code:	027466K

Overview / Course Aims

The Civil Engineering course aims to provide students with broad-based knowledge, training, skills and experience in areas required for practice in civil engineering. Upon satisfactory completion of the course, students should be able to practise in areas requiring skills for planning, design and construction of buildings and bridges, dams, harbours, water supply systems, waste management systems, airports, roads, tunnels and railways. Graduates therefore will be able to integrate technical, planning, organisational, management and financial skills with an emphasis on those areas as their talents allow.

Career Opportunities

Opportunities exist in the design, construction, maintenance and management of roads, railways, bridges, buildings, supply of water and electricity, dams and port facilities.

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Study Options

The degree can be combined with Environmental or Mining Engineering in second year. Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
CIVL296	Engineering Computing 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
CIVL245	Construction Materials	Spring	6
CIVL272	Surveying	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
EESC252	Geology for Engineers 1	Spring	6
Year 3			
CIVL311	Structural Design 1	Autumn	6
CIVL352	Structures 1	Autumn	6
CIVL361	Geomechanics 1	Autumn	6
CIVL392	Engineering Computing 2	Autumn	6
CIVL314	Structural Design 2	Spring	6
CIVL322	Hydraulics and Hydrology	Spring	6
CIVL394	Construction	Spring	6
ENGG361	Project and Business Management	Spring	6
Year 4			
CIVL462	Geomechanics 2	Autumn	6
ENGG461	Management and Human Factors in Engineering	Autumn	6
CIVL444	Civil Engineering Design	Spring	6
CIVL454	Structures 2	Spring	6
CIVL489	Roads Engineering	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B **	Annual	18
ENGG454	Professional Experience		0
plus	1 elective		6
Electives listed below *			
CIVL415	Structural Design 3	Spring	6

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CIVL457	Structures 3	N/O 2008	6
CIVL463	Applied Geotechnical Engineering	Spring	6
CIVL487	Traffic Engineering	N/O 2008	6
CIVL491	Engineering Computing 3	Spring	6
CIVL495	Public Health Engineering	N/O 2008	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111	Introductory Microeconomics	Autumn/Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6
EESC210	Social Spaces: Rural and Urban	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC305	Remote Sensing of the Environment	Autumn	6
ENVE410	Site Remediation	Spring	6
MINE311	Surface Mining and Blasting	Autumn	6

* All electives may not be available every year – check subject timetable.

** 18 credit point thesis is equivalent to the 12 credit point thesis and one 6 credit point elective.

Bachelor of Engineering (Environmental Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Environmental Engineering)
Abbreviation:	BE(Enve)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721
UAC Code:	755612
CRICOS Code:	027466K

Overview / Course Aims

The Environmental Engineering course aims to provide students with broad based knowledge, training, skills and experience in areas required for practice in environmental engineering.

Career Opportunities

Graduates of this course will be able to work for industry, government agencies and engineering consultancies. The range of work that will lead to Sustainable Development includes: integrated water cycle management; monitoring, analysis, modelling and design to control water, air, noise and soil pollution; recycling and re-use of water; renewable energy technologies, including solar, wind, wave and biomass; treatment and disposal of solid and hazardous waste; site remediation; onsite treatment systems; and cleaner production and industrial waste management.

Study Options

The degree can be combined with Civil or Mining Engineering in second year. Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6

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or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
CIVL296	Engineering Computing 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
CIVL272	Surveying	Spring	6
ENVE220	Water Quality Engineering	Spring	6
ENVE221	Air and Noise Pollution	Spring	6
Year 3			
BIOL352	Biology for Environmental Engineers	Autumn	6
CIVL361	Geomechanics 1	Autumn	6
ENVE320	Environmental Engineering Design 1	Autumn	6
CIVL322	Hydraulics and Hydrology	Spring	6
ENGG361	Project and Business Management	Spring	6
ENVE311	Pollution Control and Cleaner Production	Autumn	6
ENVE321	Solid and Hazardous Waste Management	Spring	6
plus	1 elective	Spring	6
Year 4			
CIVL462	Geomechanics 2	Autumn	6
ENGG461	Management and Human Factors in Engineering	Autumn	6
ENVE410	Site Remediation	Spring	6
ENVE421	Environmental Engineering Design 2	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B **	Annual	18
ENGG454	Professional Experience		0
plus	2 electives	Autumn/Spring	12
Electives listed below*			
ACCY100	Accounting 1A		6
CIVL392	Engineering Computing 2		6
CIVL394	Construction		6
CIVL463	Applied Geotechnical Engineering		6
CIVL489	Roads Engineering		6
ECON101	Macroeconomic Essentials for Business		6
ECON111	Introductory Microeconomics		6
ENVE420	Water Engineering		6

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ENVE422	Membrane Science and Technology	6
EESC208	Environmental Impact of Societies	6
EESC303	Fluvial Geomorphology and Sedimentology	6
EESC304	Geographic Information Science	6
EESC305	Remote Sensing of the Environment	6
EESC252	Geology for Engineers 1	6
LAW100	Law in Society	6
LAW210	Contract Law	8
LAW334	Environmental Law	6
MECH341	Thermodynamics	6
MECH343	Heat Transfer and Gas Dynamics	6
MECH378	Sustainable Energy Technologies	6
MECH438	Sustainable Transport and Engine Technologies	6
STS216	Environment in Crisis: Technology and Society	6
STS376	The Politics of Risk	6
STS399	Research Topics in Science and Technology Studies	6

* Electives may not be available every year – check subject timetable. Students are encouraged to take MECH378 as the third year elective and ENVE422 as one of the fourth year electives.

** 18 credit point thesis is equivalent to the 12 credit point thesis and one 6 credit point elective.

Bachelor of Engineering (Materials Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Materials Engineering)
Abbreviation:	BE (Matl)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721
UAC Code:	755613
CRICOS Code:	027466K

Overview / Course Aims

The objective of the Materials Engineering course is to provide students with the knowledge and skills necessary for the design, development, production and application of engineering materials for gainful use by society. This objective is achieved through detailed study of the relationships between the structure, processing and properties of materials. The course is also designed to provide training in effective communication, management and teamwork skills, and the environmental sensitivity required of modern engineers.

Career Opportunities

Opportunities exist in a wide range of industries from materials processing industries (steel, copper, aluminium, plastics, ceramics and composites) through to manufacturing and product design. Many graduates work in engineering consultancy companies dealing with failure analysis, corrosion, life-time assessment, and materials testing. Other graduates pursue a research career, as materials technology (and similar areas such as nanotechnology) is recognised worldwide as a key research strength and driver of economic prosperity. Many research opportunities exist in universities and government (eg. CSIRO) and private sector laboratories both in Australia and overseas.

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Study Options

In the final year, students can choose a series of elective subjects from a number of specialist areas: Materials Science and Technology, Metallurgical Processing or Materials Manufacturing.

Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
MATE201	Structure and Properties of Materials	Autumn	6
MATE202	Thermodynamics and Phase Equilibria	Autumn	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
MATE203	Phase Transformations	Spring	6
MATE204	Mechanical Behaviour and Fracture	Spring	6
MATE304	Transport Phenomena in Materials Processing	Spring	6
Year 3			
ENGG251	Mechanics of Solids	Autumn	6
MATE301	Engineering Alloys	Autumn	6
MATE302	Polymeric Materials	Autumn	6
MATE391	Materials Testing Techniques	Spring	6
ENGG361	Project and Business Management	Spring	6
MATE303	Ceramics, Glass and Refractories	Spring	6
MATE305	Primary Materials Processing	Spring	6
MATE306	Degradation of Engineering Materials	Autumn	6
Year 4			
ENGG461	Management and Human Factors in Engineering	Autumn	6
MATE401	Selection of Materials in Engineering Design	Spring	6
MATE402	Secondary Materials Processing	Autumn	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B**	Annual	18
ENGG454	Professional Experience		0
plus	3 electives	Autumn/Spring	18

Electives listed below*

Materials Science and Technology

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MATE411	Advanced Materials and Processing	6
MATE412	Electronic Materials	6
MATE413	Structural Characterisation Techniques	6
MATE433	Surface Engineering	6
Metallurgical Processing		
MINE421	Minerals Beneficiation	6
MATE422	Iron and Steelmaking	6
Materials Manufacturing		
ENGG434	Introduction to Materials Welding and Joining	6
MATE433	Surface Engineering	6

* Electives may not be available every year – check subject timetable.

** 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.

Bachelor of Engineering (Mechanical Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mechanical Engineering)
Abbreviation:	BE(Mech)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721
UAC Code:	755614
CRICOS Code:	027466K

Overview / Course Aims

The aim of this course is to give high quality academic training in mechanical engineering and to produce graduates with the core skills, knowledge and attributes required to practice as professional engineers. These required graduate skills/attributes are transferable to a wide range of careers and include: ability to formulate and solve problems; a creative approach to design and synthesis; excellent oral and written communication skills; ability to work effectively in teams; appreciation of the environmental, social and business contexts of Mechanical Engineering; independent and self-motivated approach; understanding and commitment to lifelong learning; and in-depth technical competence in the Mechanical Engineering discipline.

Career Opportunities

Mechanical Engineering has the broadest scope of all the branches of engineering, and graduates in this field have the core skills to adapt to other fields of engineering. It includes many exciting fields such as advanced manufacturing, metal forming technology, robotics, control of systems, computer aided design and manufacturing, air conditioning, bio-mechanics, powder technology and bearing dynamics. The degree covers a wide range of technical subjects including engineering computing and instrumentation, workshop practice, mechanical engineering design, control of machines and processes, process design and analysis, manufacturing process analysis, manufacturing systems, sustainable energy, transport and engine technologies, dynamics of engineering systems, bulk solids handling technology, fluid power, heat transfer and aerodynamics. Design innovation and project management are important aspects of mechanical engineering. The highlight of the course is the final year thesis, which requires each student to complete a major engineering project in a field of their choice or in research projects funded by government and/or industry.

Study Options

Students can select electives from a number of specialist areas in their final year including: Sustainable Energy and Engineering Systems, Manufacturing Engineering, Applied Mechanics, and Bulk Materials Handling. The list of electives

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on offer in any one year varies somewhat, depending on staff availability and other factors. Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
MECH252	Engineering Experimentation and Thermodynamics	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
MECH201	Engineering Analysis	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
MECH226	Machine Dynamics	Spring	6
Year 3			
MECH321	Dynamics of Engineering Systems	Autumn	6
MECH341	Thermodynamics	Autumn	6
MECH372	Solids Handling and Process Engineering	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
ENGG361	Project and Business Management	Spring	6
MECH311	Mechanical Engineering Design	Spring	6
MECH343	Heat Transfer and Aerodynamics	Spring	6
MECH365	Control of Machines and Processes	Spring	6
Year 4			
ENGG461	Management and Human Factors in Engineering	Autumn	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B**	Annual	18
ENGG454	Professional Experience		0
plus	5 electives	Autumn/Spring	30
Electives listed below*			
Sustainable Energy and Engineering Systems			
MECH378	Sustainable Energy Technologies		6
MECH442	Sustainable Energy in Buildings		6
MECH474	Reliability Engineering		6

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MECH479	Sustainable Transport and Engine Technologies	6
Applied Mechanics		
MECH417	Biomedical Engineering	6
MECH418	Mechanical Behaviour of Engineering Materials	6
MECH419	Finite Element Methods in Engineering	6
MECH420	Engineering Stress Analysis	6
MECH430	Automotive Dynamics	6
MECH431	Computational Fluid Dynamics	6
MECH438	Fluid Power	6
Bulk Materials Handling		
MECH426	Storage and Flow of Bulk Solids	6
MECH427	Mechanical Conveying of Bulk Solids	6
MECH428	Pneumatic Conveying and Dust Control	6
MECH429	Physical Processing of Bulk Solids	6
Manufacturing		
MECH409	Micro/Nano Robotic Systems	6
MECH421	Manufacturing Process Analysis	6
MECH422	Design and Analysis of Manufacturing Systems	6
MECH423	Design for Manufacturing	6
MECH424	Managing Manufacturing Activities	6
MECH468	Computer Control of Machines and Processes	6
ENGG434	Materials Welding and Joining	6
MECH487	Systems Analysis for Maintenance Management	6
MECH488	Introduction to Condition Monitoring in Mechanical Engineering	6
MECH489	Engineering Asset Management	6
ECTE471	Robotics and Flexible Automation	6

* Not all electives may be available each year – check subject timetable. Electives may be taken in other departments, subject to written approval by the Discipline Advisor (maximum of two for full-time and one for part-time students).

** 18 credit point thesis is equivalent to the 12 credit point thesis and one 6 credit point elective.

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Bachelor of Engineering (Mechatronic Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mechatronic Engineering)
Abbreviation:	BE(Tron)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721
UAC Code:	755616
CRICOS Code:	027466K

Overview / Course Aims

Mechatronics is the combination of Mechanical, Electrical and Computer technologies. As an engineering field, it finds its roots in mechanical engineering, electrical/electronics engineering and software engineering. These engineering fields complement each other to design and realise products, systems and processes which are more efficient, intelligent, and cost effective than their predecessors. The examples of mechatronic systems include autonomous robots, internet controlled machines and processes, engine management systems, ATM machines, remotely controlled ore-diggers, photocopiers, CD/DVD burners, cameras, washing machines, unmanned air vehicles, micro air vehicles, Micro- and Nano- Electromechanical Systems (MEMS and NEMS) and so on.

The aim of the Mechatronics program is to produce graduates with the core skills, knowledge and attributes that will help them excel as professional engineers. These skills and attributes include: the ability to formulate and solve problems; a creative approach to design and synthesis; excellent oral and written communication skills; ability to work effectively in teams; appreciation of the environmental, social and business contexts of Engineering; independent and self-motivated approach; understanding and commitment to lifelong learning; and in-depth technical competence in the field of Mechatronic Engineering.

Career Opportunities

Opportunities exist in the rapidly developing fields of micro/nano electromechanical systems, digital electronics, information technology, robotic systems, manufacturing industry, aerospace industry, mining industry, health industry, asset and maintenance management etc. where mechanical and electrical engineers are traditionally employed. Whenever there is a need to develop and use engineering systems/products/processes based on integrating mechanical components with electrical and electronic components, through software and hardware, there will be career opportunities for mechatronic engineers.

Study Options

Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CSCI1191	Programming for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ECTE172	Introduction to Circuits and Devices	Spring	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			

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MATH188	Mathematics 1A Part 2	Spring	6
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
MECH 226	Machine Dynamics	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 3*			
ECTE344	Control Theory	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
MECH340	Fluid Dynamics and Heat Transfer	Autumn	6
ECTE212	Electronics **	Spring	6
ECTE323	Power Engineering 2	Spring	6
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management	Annual	6
MECH311	Mechanical Engineering Design	Spring	6
Year 4*			
ECTE301	Digital Signal Processing 1	Autumn	6
ENGG461	Management and Human Factors in Engineering	Autumn	6
ECTE471	Robotics and Flexible Automation	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B****	Annual	18
or			
ECTE457	Thesis	Annual	18
ENGG454	Professional Experience		0
Plus	2 electives***	Autumn	6
or	3 electives*** (only if ENGG452 is taken for Thesis)	Autumn	12
		Spring	6

* Years 3 and 4 are being reviewed. Transition arrangements will be organised for students as necessary.

** Not for students who completed ECTE313 prior to 2006.

*** Electives are chosen from the list of electives on offer in the Faculties of Engineering and Informatics.
The final year study program is to be determined in consultation with the Discipline Advisor.

**** 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.

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Bachelor of Engineering (Mining Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mining Engineering)
Abbreviation:	BE (Mine)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721
UAC Code:	755615
CRICOS Code:	027466K

Overview / Course Aims

The Mining Engineering course aims to provide students with broad-based knowledge, training, skills and experience in areas required for practice in mining engineering. Upon satisfactory completion of the course, students should be able to practice in areas requiring skills for mine planning and design, rock excavation, water and gas drainage and mine environment control. Graduates therefore will be able to integrate technical, planning, organisational, management and financial skills with an emphasis on those areas as their talents allow.

Career Opportunities

Graduates of this course will be able to work for mines, government agencies and for engineering consultancies. Opportunities exist in the design and management of mines as well as mineral production.

Study Options

The degree can be combined with Environmental or Civil Engineering in second year. Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
CIVL296	Engineering Computing 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
MINE221	Underground Coal Mining	Spring	6
CIVL272	Surveying	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6

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EESC252	Geology for Engineers 1	Spring	6
Year 3			
CIVL361	Geomechanics 1	Autumn	6
MINE312	Mine Ventilation	Autumn	6
plus	2 electives	Spring	6
ENGG361	Project and Business Management	Spring	6
EESC312	Resource Geology for Engineers	Spring	6
MINE321	Underground Metal Mining	Autumn	6
MINE323	Mining Geomechanics	Autumn	6
Year 4			
ENGG461	Management and Human Factors in Engineering	Autumn	6
MINE411	Health and Safety in Mines	Spring	6
MINE412	Mining Economics	Spring	6
MINE421	Minerals Benefication	Autumn	6
MINE422	Mine Planning and Development	Spring	6
plus	1 elective	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B**	Annual	18
ENGG454	Professional Experience		0

Electives listed below*

CIVL392	Engineering Computing 2	6
EESC213	Introduction to Spatial Science	8
EESC304	Geographic Information Science	8
ECON101	Macroeconomic Essentials for Business	6
ECON111	Introductory Microeconomics	6
ECON215	Microeconomic Theory and Policy	6
MINE431	Mine Water	6
MINE433	Geostatistical Ore Reserve Estimation	6
MINE434	Special Topics in Mining Engineering	6
MINE438	Environmental Impact of Minerals Operation	6

* Electives may not be available every year – check subject timetable.

** 18 credit point thesis is equivalent to the 12 credit point thesis and one 6 credit point elective.

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Bachelor of Engineering (Civil and Mining Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Civil and Mining Engineering)
Abbreviation:	BE(CIMI)
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	246
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	Entry Year 2 and 65+ WAM
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	726
UAC Code:	N/A
CRICOS Code:	006984F

Overview / Course Aims

Refer to the descriptions for both the Civil and Min0ing Engineering programs above.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
CIVL296	Engineering Computing 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
MINE221	Underground Coal Mining	Spring	6
CIVL245	Construction Materials	Spring	6
CIVL272	Surveying	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
EESC252	Geology for Engineers 1	Spring	6
Year 3			
CIVL361	Geomechanics 1	Autumn	6
CIVL392	Engineering Computing 2	Autumn	6
MINE311	Surface Mining and Blasting	Autumn	6
MINE312	Mine Ventilation	Autumn	6
CIVL394	Construction	Spring	6

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EESC306	Resources and Environments	Spring	6
ENGG361	Project and Business Management	Spring	6
MINE321	Underground Metal Mining	Spring	6
Year 4			
CIVL311	Structural Design 1	Autumn	6
CIVL352	Structures 1	Autumn	6
MINE421	Minerals Beneficiation	Autumn	6
MINE411	Health and Safety in Mines	Spring	6
MINE412	Mining Economics	Spring	6
ENGG461	Management and Human Factors in Engineering	Autumn	6
CIVL314	Structural Design 2	Spring	6
CIVL322	Hydraulics and Hydrology	Spring	6
MINE323	Mining Geomechanics	Spring	6
Year 5			
CIVL462	Geomechanics 2	Autumn	6
CIVL489	Roads Engineering	Spring	6
CIVL444	Civil Engineering Design	Spring	6
CIVL454	Structures 2	Spring	6
MINE422	Mine Planning and Development	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B*	Annual	18
ENGG454	Professional Experience		0

* 18cp thesis is equivalent to the 12cp thesis and one 6cp elective.

Bachelor of Engineering (Civil and Environmental Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Civil and Environmental Engineering)
Abbreviation:	BE(CIEV)
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	240
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	Entry Year 2 and 65+ WAM
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	726
UAC Code:	NA
CRICOS Code:	006984F

Overview/Course Aims

Refer to the descriptions for both the Civil and Environmental Engineering programs above.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6

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MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
CIVL296	Engineering Computing 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
CIVL245	Construction Materials	Spring	6
CIVL272	Surveying	Spring	6
EESC252	Geology for Engineers 1	Spring	6
ENVE220	Water Quality Engineering	Spring	6
Year 3			
CIVL361	Geomechanics 1	Autumn	6
CIVL392	Engineering Computing 2	Autumn	6
BIOL352	Biology for Environmental Engineers	Autumn	6
ENVE311	Pollution Control and Cleaner Production	Autumn	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
ENVE221	Air and Noise Pollution	Spring	6
ENGG361	Project and Business Management	Spring	6
Year 4			
CIVL311	Structural Design 1	Autumn	6
CIVL352	Structures 1	Autumn	6
ENVE320	Environmental Engineering Design 1	Autumn	6
ENGG461	Management and Human Factors in Engineering	Autumn	6
CIVL314	Structural Design 2	Spring	6
CIVL322	Hydraulics and Hydrology	Spring	6
CIVL394	Construction	Spring	6
ENVE321	Solid and Hazardous Waste Management	Spring	6
Year 5			
CIVL489	Roads Engineering	Autumn	6
CIVL454	Structures 2	Spring	6
CIVL444	Civil Engineering Design	Spring	6
CIVL462	Geomechanics 2	Autumn	6
ENVE410	Site Remediation	Spring	6
ENVE421	Environmental Engineering Design 2	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B ⋆	Annual	18
ENGG454	Professional Experience		0

⋆ 18 credit point thesis is equivalent to the 12 credit point thesis and one 6 credit point elective.

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Bachelor of Engineering (Mining and Environmental Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mining and Environmental Engineering)
Abbreviation:	BE (MIEV)
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	246
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	Entry Year 2 and 65+ WAM
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	726
UAC Code:	NA
CRICOS Code:	006984F

Overview / Course Aims

Refer to the descriptions for both the Environmental and Mining Engineering programs above.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
CIVL296	Engineering Computing 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
ENVE220	Water Quality Engineering	Spring	6
EESC252	Geology for Engineers 1	Spring	6
MINE221	Underground Coal Mining	Spring	6
Year 3			
CIVL361	Geomechanics 1	Autumn	6
CIVL392	Engineering Computing 2	Autumn	6
BIOL352	Biology for Environmental Engineers	Autumn	6
ENVE311	Pollution Control and Cleaner Production	Autumn	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
CIVL272	Surveying	Spring	6

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ENVE221	Air and Noise Pollution	Spring	6
EESC306	Resources and Environments	Spring	6
Year 4			
ENVE320	Environmental Engineering Design 1	Autumn	6
MINE312	Mine Ventilation	Autumn	6
MINE411	Health and Safety in Mines	Spring	6
ENGG361	Project and Business Management	Spring	6
ENVE321	Solid and Hazardous Waste Management	Spring	6
CIVL322	Hydraulics and Hydrology	Spring	6
MINE321	Underground Metal Mining	Spring	6
MINE323	Mining Geomechanics	Spring	6
Year 5			
ENGG461	Management and Human Factors in Engineering	Autumn	6
ENVE410	Site Remediation	Spring	6
ENVE421	Environmental Engineering Design 2	Spring	6
MINE422	Mine Planning and Development	Spring	6
ENGG452	Thesis A	Annual	12
Or			
ENGG453	Thesis B*	Annual	18
ENGG454	Professional Experience		0

*18cp thesis is equivalent to the 12cp thesis and one 6cp elective

Bachelor of Medical and Radiation Physics

Testamur Title of Degree:	Bachelor of Medical and Radiation Physics
Abbreviation:	BMedRadPhys
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	85
Assumed Knowledge:	Any two units of English plus Physics and Mathematics
Recommended Studies:	English Advanced, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	847
UAC Code:	757616
CRICOS Code:	052461G

Overview / Course Aims

The Bachelor of Medical and Radiation Physics degree is designed to produce graduates with a strong background in physics with the specialist skills in Medical Radiation Physics necessary to find employment in hospitals, research or industry.

Students will gain knowledge in areas relating to nuclear medicine, radiation physics, detector and instrumentation physics, and data analysis. Graduates working in the area require both a theoretical background and practical skills in physics, with an emphasis on advanced knowledge and practice in specialist areas applicable to medical physics.

Professional medical physicists from major hospitals in the State will deliver key lectures and practical work as well as co-supervising thesis work. Students will find that they will move easily into employment and/or postgraduate work in this specialised area.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structure below. The Bachelor of Medical and Radiation Physics normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

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The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the Subject Coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Professional Recognition

The Bachelor of Medical and Radiation Physics degree conforms to the requirements for membership of the Australian Institute of Physics.

Further Studies Options

Graduates can apply for entry to the Master of Science–Research or PhD.

Career Opportunities

Opportunities exist as medical physicists, researchers, occupational health and safety work and in radiation research and development.

Course Program

Subject		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
BMS112	Human Physiology	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
plus	2 electives (6cp each)		12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH253	Linear Algebra	Autumn	4
or			
MATH203	Linear Algebra	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH291	Differential Equations	Spring	3
or			
MATH202	Differential Equations 2	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS255	Radiation Physics	Spring	6
plus	1 elective (if needed)		6
	or (highly recommended)		
MATH293	Complex Variables	Spring	4
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS365	Detection of Radiation: Neutrons, Electrons and X-Rays	Autumn	6
PHYS366	Physics of Radiotherapy	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS396	Electronic Materials	Spring	6
plus	1 elective		6

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Bachelor of Medical and Radiation Physics Advanced (Honours)

Testamur Title of Degree:	Bachelor of Medical and Radiation Physics Advanced (Honours)
Abbreviation:	BMedRadPhysAdv(Hons)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	95
Assumed Knowledge:	Any two units of English plus Physics and Mathematics
Recommended Studies:	English Advanced, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	784
UAC Code:	757616
CRICOS Code:	032584F

Overview / Course Aims

The Bachelor of Medical and Radiation Physics Advanced (Honours) degree is designed to produce graduates with a strong background in physics and with the specialist skills in Medical Radiation Physics necessary to find employment in hospitals, research or industry.

Students will gain knowledge in areas relating to nuclear medicine, radiation physics, detector and instrumentation physics and data analysis. Graduates working in the area require both a theoretical background and practical skills in physics, with an emphasis on advanced knowledge and practice in specialist areas applicable to medical physics.

Professional medical physicists from major hospitals in the State will deliver key lectures and practical work as well as co-supervising thesis work. Students will find that they will move easily into employment and/or postgraduate work in this specialised area.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structure below. The Bachelor of Medical and Radiation Physics Advanced (Honours) normally takes four years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the Subject Coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

This four-year degree will be awarded at either Pass or Honours level, depending on the student's performance throughout the degree.

Professional Recognition

The Bachelor of Medical and Radiation Physics Advanced (Honours) degree conforms to the requirements for membership of the Australian Institute of Physics.

Further Studies Options

Graduates can apply for entry to the Master of Science–Research or PhD.

Career Opportunities

Opportunities exist as medical physicists, researchers, occupational health and safety work and in radiation research and development.

Course Program

Subject		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
BMS112	Human Physiology	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6

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PHYS142	Fundamentals Physics B	Spring	6
plus	2 electives (6 credit points each)		12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH253	Linear Algebra	Autumn	4
or			
MATH203	Linear Algebra	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH291	Differential Equations	Spring	3
or			
MATH202	Differential Equations 2	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS255	Radiation Physics	Spring	6
plus	1 elective (if needed)		6
	or (highly recommended)		
MATH293	Complex Variables	Spring	4
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS365	Detection of Radiation: Neutrons, Electrons and X-Rays	Autumn	6
PHYS366	Physics of Radiotherapy	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS396	Electronic Materials	Spring	6
plus	1 elective		6
Year 4			
PHYS451	Nuclear Medicine	Spring	8
PHYS452	Medical Imaging	Autumn	8
PHYS457	Research Project	Annual	24
PHYS453	Radiobiology and Radiation Protection	Spring	8

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Bachelor of Science (Materials)

Testamur Title of Degree:	Bachelor of Science (Materials)
Abbreviation:	BSc(Materials)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	75
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757636
CRICOS Code:	031274F

Overview / Course Aims

The objective of the Materials Science course is to provide the scientific knowledge and technical skills necessary for a successful materials based career in areas such as quality control and laboratory testing, materials process control and research and development in government and private sector laboratories. It also provides an ideal basis for those who wish to pursue a career in secondary teaching.

The core materials subjects involve detailed study of the structure of properties of metals, ceramics and polymers.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structures below. The Bachelor of Science (Materials) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the Subject Coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Study Options

Electives in second and third years are normally selected to provide a coherent minor in a particular field, eg. Materials, Chemistry, Science and Technology Studies or Engineering. Suggested elective programs are listed below. Students should consult their course advisor when choosing elective subjects.

Honours

Students with a good academic record are encouraged to proceed to an Honours year, a fourth year of study providing training in independent research.

Advanced Standing

Applicants holding relevant TAFE Diplomas and Advanced Diplomas with a consistently good performance will normally be granted 48 credit points (one year) of advanced standing.

Students are advised to take the maximum number of mathematics and science units available in their TAFE course.

Further Studies Options

Graduates can apply for entry to Honours in Materials or Master of Science–Research.

Career Opportunities

Opportunities exist in teaching, industry, administration, scientific communication and research.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM101	Chemistry 1A	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			

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MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
CHEM102	Chemistry 1B	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
Year 2			
MATE201	Structure and Properties of Materials	Autumn	6
MATE202	Thermodynamics and Phase Equilibria	Autumn	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
MATE203	Phase Transformation	Spring	6
MATE204	Mechanical Behaviour	Spring	6
plus	3 electives		18
Year 3			
MATE301	Engineering Alloys	Autumn	6
MATE302	Polymeric Materials	Autumn	6
MATE391	Materials Testing	Spring	6
MATE303	Ceramics, Glass and Refractories	Spring	6
plus	4 electives		24
Year 4 (Honours)			
MATE406	Research Project	Annual	24
plus	4 electives		

Materials Electives		
MATE411	Advanced Materials and Processing	6
MATE412	Electronic Materials	6
MATE305	Primary Materials Processing	6
MATE402	Secondary Materials Processing	6
MATE413	Structural Characterisation Techniques	6
Chemistry Electives		
CHEM211	Inorganic Chemistry II	6
CHEM212	Organic Chemistry II	6
CHEM314	Instrumental Analysis	8
CHEM213	Molecular Structure, Reactivity and Change	6
CHEM214	Analytical and Environmental Chemistry	6
CHEM321	Organic Synthesis and Reactivity	8
Science and Technology Studies Electives		
STS100	Social Aspects of Science and Technology	6
STS215	Globalisation: Science, Technology and Progress	6
STS112	The Scientific Revolution: History, Philosophy and Politics of Science 1	6
STS376	Risk Assessment, Health and Safety	6
STS216	Environment in Crisis: Technology and Society	6
STS229	Scientific and Technological Controversy	6

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Bachelor of Science (Photonics)

Testamur Title of Degree:	Bachelor of Science (Photonics)
Abbreviation:	BSc(Photonics)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757577
CRICOS Code:	031274F

Overview / Course Aims

Photonics is a rapidly developing area associated with the development of detectors, light sources and optical fibres to support research and development in a wide range of industries including optoelectronics, telecommunications and defence. This degree provides students with training, which combines skills in experimental and theoretical physics and electronics with a strong background in optics, electronics and computing, necessary to begin a career in the photonics industry. It is structured around the existing core of Physics subjects.

Course Requirements

All students must complete the required number of credit points, and satisfy all course requirements for the degree - refer to course structures below. The Bachelor of Science (Photonics) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the Subject Coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

Students with a good academic record are encouraged to proceed to an Honours year, a fourth year of study providing training in independent research.

Further Studies Options

Graduates can apply for entry to Honours in Physics, then Master of Science–Research or PhD.

Career Opportunities

Opportunities exist in teaching, administration, scientific communication, computing and research.

Photonics Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Introductory Chemistry For Engineers*	Autumn	6
CSCI114	Procedural Programming*	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
ECTE172	Introduction to Circuits and Devices	Spring	6
ECTE182	Internet Technology 1*	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
* Three electives are required, these are examples			
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6

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MATH253	Linear Algebra	Autumn	4
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS262	Vibrations and Waves	Spring	3
PHYS263	Photonics and Communication	Annual	6
Year 3			
ECTE364	Telecommunications Networks 1	Autumn	6
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS356	Physics of Detectors and Imaging	Autumn	6
PHYS363	Advanced Photonics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS396	Electronic Materials	Spring	6
Plus 1 Elective			6

Bachelor of Science (Nuclear Science and Technology)

Testamur Title of Degree:	Bachelor of Science (Nuclear Science and Technology)
Abbreviation:	BSc(Nuclear Science and Technology)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	75
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757638
CRICOS Code:	031274F

Overview / Course Aims

The objective of the Nuclear Science and Technology course is to provide the scientific knowledge and skills necessary for a successful career in areas such as health physicists, nuclear technicians and radiation employees. Expansion in the uranium mining industry and monitoring of mid and high-level radioactive storage facilities will require specific expertise. The course builds on the expertise of the Centre for Medical Radiation Physics in dosimetry and radiation monitoring as well as nuclear technology and waste disposal.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structures below. The Bachelor of Science (Nuclear Science and Technology) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Study Options

Electives in second and third years are normally selected to provide a coherent minor in a particular field, eg. Materials, Chemistry, Science and Technology Studies or Engineering. Suggested elective programs are listed below. Students should consult their course advisor when choosing elective subjects.

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Honours

Students with a good academic record are encouraged to proceed to an Honours year, a fourth year of study providing training in independent research.

Advanced Standing

Applicants holding relevant TAFE Diplomas and Advanced Diplomas with a consistently good performance will normally be granted 48 credit points (one year) of advanced standing.

Students are advised to take the maximum number of mathematics and science units available in their TAFE course.

Further Studies Options

Graduates can apply for entry to Honours in Materials or Master of Science – Research.

Career Opportunities

Students graduating from this course could be expected to find careers in mining organisations, monitoring agencies and other legislative bodies, ANSTO and CSIRO.

Course Program

Subject		Session	Credit Points
Year 1			
PHYS141	Fundamentals of Physics A	Autumn	6
PHYS233	Introduction to Environmental Physics	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
Elective	CHEM101 recommended		6
MATH188	MATHEMATICS 1A Part 2	Spring	6
or			
MATH141	Mathematics 1C Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
Elective	BIOL103 recommended		6
Elective	PHYS295 recommended		6
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH202	Differential Equations 2	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS255	Radiation Physics	Spring	6
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS356	Physics of Detectors and Imaging	Autumn	6
PHYS365	Detection of Radiation	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS376	Nuclear Fuel Cycle	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS396	Electronic Materials	Spring	6

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Bachelor of Science (Physics)

Testamur Title of Degree:	Bachelor of Science (Physics)
Abbreviation:	BSc (Physics)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	75
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757637
CRICOS Code:	031274F

Overview / Course Aims

Physics - as one of the fundamental sciences - provides the basis for making, interpreting, and extending observations relating to the behaviour and structure of matter. Physics is fundamental to the study of all sciences and has a key role to play in generating and supporting new technologies. Students majoring in Physics study mechanics, thermodynamics, electricity and magnetism, vibrations, waves, optics, and modern, quantum and statistical mechanics, complemented by a number of advanced mathematics subjects.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree. Refer to course structures below. The Bachelor of Science (Physics) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress. Variations to the programs listed below are allowed at the discretion of the Physics Academic Advisor, provided that the following minimum criteria are followed: 12 credit points of 100- level maths, 12 credit points of 200- level maths, 12 credit points of 100- level physics, 24 credit points of 200- level physics, 24 credit points of 300- level physics, provided that the program meets the accreditation requirements of the Australian Institute of Physics.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the Subject Coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Study Options

Two major programs in Physics are offered:

Basic Major Program – a basic Physics program designed with a minimum of compulsory subjects for combining with an array of elective subjects or a second major in another discipline.

Full Major Program – a full Physics program for students planning to undertake Honours and to pursue a career as a professional physicist.

The two programs are outlined below.

Honours

Students with a good academic record are encouraged to proceed to Honours year, a fourth year of study providing training in independent research.

Professional Recognition

The Bachelor of Science (Physics) degree conforms to the requirements for membership of the Australian Institute of Physics.

Further Studies Options

Graduates can apply for entry to Honours in Physics, and then Master of Science – Research or PhD.

Career Opportunities

Opportunities exist in teaching, administration, scientific communication, computing and research.

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Basic Major Program in Physics

Subject		Session	Credit Points
Year 1			
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
Plus 4 electives (6cp each)			24
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH253	Linear Algebra	Autumn	4
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH291	Differential Equations	Spring	3
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
Plus 2 electives (6cp each)			12
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
Plus two of the following subjects:			
PHYS356	Physics of Detectors and Imaging	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS390	Astrophysics	Spring	6
PHYS396	Electronic Materials	Spring	6
Plus additional 24 cp of subjects taken from the Science or Engineering Schedules.			

Full Major Program in Physics

Subject		Session	Credit Points
Year 1			
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
PHYS295	Astronomy – Concepts of the Universe	Spring	6
Plus 3 electives			18
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6

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MATH203	Linear Algebra	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS356	Physics of Detectors and Imaging	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS390	Astrophysics	Spring	6
PHYS396	Electronic Materials	Spring	6
Plus 1 elective			6

Physics Electives

Subject		Session	Credit Points
Year 1			
PHYS141	Fundamentals of Physics A	Autumn	6
PHYS142	Fundamentals of Physics B	Spring	6
PHYS143	Physics for Engineers	Spring	6
PHYS155	Introduction to Biomedical Physics	Autumn	6
Year 2			
PHYS205	Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
PHYS206	Project in Physics	Autumn/Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS255	Radiation Physics	Spring	6
PHYS295	Astronomy - Concepts of the Universe	Spring	6
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS356	Physics of Detectors and Imaging	Autumn	6
PHYS365	Detection of Radiation: Neutrons, Electrons and X Rays	Autumn	6
PHYS306	Project in Physics	Autumn/Spring	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS390	Astrophysics	Spring	6
PHYS396	Electronic Materials	Spring	6
Year 4			
PHYS405	Honours in Physics	Annual	48
PHYS444	Quantum Mechanics	Annual	8
PHYS446	Solid State Physics	Annual	8
PHYS451	Nuclear Medicine	Annual	8
PHYS452	Medical Imaging	Annual	8
PHYS456	Imaging Physics	Annual	8

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PHYS401	Theoretical Mechanics and Electromagnetism	Autumn	8
PHYS457	Research Project	Autumn/Spring	24
PHYS441	Advanced Astrophysics	Spring	4
PHYS453	Radiobiology and Radiation Protection	Spring	8

Physics Electives

Subjects offered by non-member Departments of the Faculty of Engineering toward the Physics Program:

Subject		Credit Points
CSCI103	Algorithms and Problem Solving	6
CSCI114	Procedural Programming	6
CSCI124	Applied Programming	6
MATH187	Mathematics 1A Part 1	6
MATH188	Mathematics 1A Part 2	6
MATH141	Mathematics 1C Part 1	6
MATH142	Mathematics 1C Part 2	6
MATH201	Multivariate and Vector Calculus	6
MATH202	Differential Equations 2	6
MATH203	Linear Algebra	6
MATH204	Complex Variables and Group Theory	6
MATH253	Linear Algebra	4
MATH283	Mathematics IIE for Engineers Part 1	6
MATH291	Differential Equations	3
MATH293	Complex Variables	4
STAT231	Probability and Random Variables	6

Bachelor of Science (Honours) Advanced Program – Physics

Testamur Title of Degree:	Bachelor of Science (Honours) Advanced Program – Physics
Abbreviation:	BSc (Hons) (Physics)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	95
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757A
UAC Code:	757602
CRICOS Code:	052463E

Overview

The Advanced Program, designed specifically for high achieving students, offers direct entry into Honours, unlike the normal Bachelor of Science which delays selection for Honours until the completion of the third year.

It offers a greater degree of flexibility in program design through the possibility of exemptions from some first year subjects; direct entry into some 200- level subjects; the opportunity to undertake individual research subjects at second, third and fourth year level; the opportunity to progress at a faster rate through the use of "fast-tracking" mechanisms; and

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the chance to participate in various enrichment activities and develop a close association with an appropriate member of one of the Faculty's research teams. In the final year, all students undertake a substantial piece of supervised research in their major discipline, together with other required seminar and/or coursework.

Study programs are structured on an individual basis in consultation with the Discipline Advisor. Students are required to fulfil all the normal Bachelor of Science and Honours requirements and may select their major study program from any of those available from Physics. Students will normally undertake the full major listed below. Substitutions are allowed with the permission of the Physics Discipline Advisor, provided that the program meets the accreditation requirements of the Australian Institute of Physics.

Bachelor of Science (Physics and Mathematics)

Testamur Title of Degree:	Bachelor of Science (Physics and Mathematics)
Abbreviation:	BSc (Physics and Mathematics)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Physics
UOW Course Code:	757
UAC Code:	757577
CRICOS Code:	031274F

Overview / Course Aims

This double major provides students with a deeper understanding of the complementary areas of physics and mathematics. Students will be eligible for employment in areas requiring qualifications in physics and mathematics and will particularly equip them for work in areas where they will undertake mathematical modelling of physical systems.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree. Refer to course structures below.

The Bachelor of Science (Physics and Mathematics) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the Subject Coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

Students with a good academic record are encouraged to proceed to an Honours year, a fourth year of study providing training in independent research.

Further Studies Options

Graduates can apply for entry to Honours in Physics, then Master of Science – Research or PhD.

Career Opportunities

Opportunities exist in teaching, administration, scientific communication, computing and research.

Physics and Mathematics Course Program

Subject		Session	Credit Points
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
PHYS295	Astronomy concepts of the University	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6

Three 1st year electives (STAT131 Understanding Variation and Uncertainty is highly recommended)

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Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	4
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	3
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
MATH302	Differential Equations 3	Autumn	6
MATH305	Partial Differential Equations	Spring	6
MATH321	Numerical Analysis	Spring	6
	Choose two from		
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS390	Astrophysics	Spring	6
PHYS396	Electronic Materials	Spring	6
Plus one 3rd year Mathematics elective			6

Bachelor of Engineering – Bachelor of Arts

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Arts
Abbreviation:	BE-BA
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	83
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	704
UAC Code:	751302
CRICOS Code:	028394B

Overview / Course Aims

The Faculties of Arts and Engineering offer double degree courses over five years of full-time or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Arts. These courses provide education in a discipline of Engineering together with a major study in Arts to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

The requirement for admission to the double degree is a UAI or equivalent which is equal to or greater than the rank required for admission to the Bachelor of Arts, or Bachelor of Engineering, whichever is the higher. The English pre-requisite must be satisfied for the Bachelor of Arts degree.

Course Requirements – Bachelor of Arts

Students enrolled in the Bachelor of Arts must satisfactorily complete:

a) subjects to the value of at least 90 credit points selected from the General Schedule or the Arts Schedule, together with

b) subjects to the value of at least 54 credit points prescribed by one of the Engineering programs.

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Of the above specified 144 credit points required for the Arts degree:

a) at least 72 credit points, including a major study, shall be from subjects listed in the Arts Schedule;

b) at least 36 credit points shall be for subjects offered by one or more academic units of the Faculty of Arts, and

c) no more than 60 credit points shall be for 100-level subjects.

Students intending to enrol in Japanese must contact the Modern Languages Program Office. Students undertaking the beginner strand in Japanese language are required to take 36 credit points in Japanese in the first year of full-time study. Enrolment in Japanese is not recommended for part-time students.

Bachelor of Arts students who satisfy entry requirements may subsequently enrol in the Bachelor of Arts (Honours).

Course Requirements – Bachelor of Engineering

Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects

plus the subjects leading to one of these Engineering degrees:

Bachelor of Engineering - Civil Engineering

Bachelor of Engineering - Environmental Engineering

Bachelor of Engineering - Materials Engineering

Bachelor of Engineering - Mechanical Engineering

Bachelor of Engineering – Mechatronic Engineering

Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering – Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Commerce
Abbreviation:	BE-BCom
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	83
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	727
UAC Code:	751601
CRICOS Code:	001707A

Overview / Course Aims

The Faculties of Commerce and Engineering offer double degree courses over five years of full-time, or eight years of part-time study, leading to the degrees of Bachelor of Commerce and Bachelor of Engineering. These courses provide education in the discipline of Engineering together with a major study in Commerce to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirement for admission to the double degree is a UAI or equivalent which is equal to or greater than the rank required for admission to the Bachelor of Commerce or Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Commerce

Candidates are required to complete core subjects and subjects which satisfy the requirements of one of the Commerce majors. Candidates can choose between a number of major and minor combinations. All students must seek advice and approval from the Sub Dean and relevant Head of School before enrolment. Students should be aware that it may not be possible to complete all Commerce programs with the usual 264 credit points required for a double degree.

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The following subjects should be substituted with another Commerce major subject on completion of the alternative Engineering subject:

1. COMM110 Introduction to Business Information Systems

Alternative subjects:

CIVL296	Engineering Computing 1	6
MECH252	Engineering Experimentation and Thermodynamics	6
MATE291	Engineering Computing and Laboratory Skills	6

or

CSCI191	Programming for Engineers	6

2. COMM121 Quantitative Methods 1

Alternative subject:

MATH283	Mathematics 2E for Engineers Part 1	6

Course Requirements – Bachelor of Engineering

Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects

plus the subjects leading to one of these Engineering degrees:

Bachelor of Engineering - Civil Engineering

Bachelor of Engineering - Environmental Engineering

Bachelor of Engineering - Materials Engineering

Bachelor of Engineering - Mechanical Engineering

Bachelor of Engineering – Mechatronic Engineering

Bachelor of Engineering - Mining Engineering

ENGG361 and ENGG461 should be replaced by Engineering electives, i.e. those with an Engineering degree prefix. Students are not permitted to use Commerce subjects to substitute for Engineering electives.

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the Sub Dean.

Bachelor of Engineering – Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Computer Science
Abbreviation:	BE-BCompSc
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	90
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	790
UAC Code:	751609
CRICOS Code:	042540B

Overview / Course Aims

The Faculties of Informatics and Engineering offer double degree courses over five years of full-time, or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Computer Science.

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These courses provide education in the discipline of Engineering together with a major study in Computer Science to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirement for admission to the double degree is a UAI or equivalent which is equal to or greater than the rank required for admission to the Bachelor of Computer Science or Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Computer Science

Students enrolled in the Bachelor of Computer Science must satisfactorily complete requirements 1, 2, 4 and 5 of the Bachelor of Computer Science course requirements.

Course Requirements – Bachelor of Engineering

Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects

plus the subjects leading to one of these Engineering degrees:

Bachelor of Engineering - Civil Engineering

Bachelor of Engineering - Environmental Engineering

Bachelor of Engineering - Materials Engineering

Bachelor of Engineering - Mechanical Engineering

Bachelor of Engineering – Mechatronic Engineering

Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering – Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Mathematics
Abbreviation:	BE-BMath
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	90
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	791
UAC Code:	751610
RICOS Code:	042626G

Overview / Course Aims

The Faculties of Informatics and Engineering offer double degree courses over five years of full-time or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Mathematics.

These courses provide education in the discipline of Engineering, together with a major study in Mathematics to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirement for admission to the double degree is a UAI or equivalent which is equal to or greater than the rank required for admission to the Bachelor of Mathematics or Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Mathematics

Students enrolled in the Bachelor of Mathematics must satisfactorily complete requirements 1 to 9, excluding 5, of the Bachelor of Mathematics course requirements, including no more than 60 credit points at 100- level.

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Course Requirements – Bachelor of Engineering

Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects

plus the subjects leading to one of these Engineering degrees:

Bachelor of Engineering - Civil Engineering

Bachelor of Engineering - Environmental Engineering

Bachelor of Engineering - Materials Engineering

Bachelor of Engineering - Mechanical Engineering

Bachelor of Engineering – Mechatronic Engineering

Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering – Bachelor of Science

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Science
Abbreviation:	BE-BSc
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	750
UAC Code:	751624
CRICOS Code:	031277C

Overview / Course Aims

The Faculties of Science and Engineering offer double degree courses over five years of full-time or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Science.

These courses provide education in the discipline of Engineering together with a major study in Science to broaden the knowledge base of the graduate, thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirement for admission to the double degree is a UAI or equivalent which is equal to or greater than the rank required for admission to the Bachelor of Science or Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Science

Students enrolled in the Bachelor of Science must satisfactorily complete:

subjects having a value of at least 90 credit points selected from the Science Schedule, which include either a major study prescribed by the Faculty of Science or a major prescribed by Engineering Physics within the Faculty of Engineering; together with subjects having a value of at least 54 credit points prescribed by one of the Engineering programs.

Of the above specified 144 credit points required for the Science degree:

- at least 72 credit points, including a major study, shall be from subjects offered by Academic Units within the Faculty of Science or by Engineering Physics in the Faculty of Engineering; and
- no more than 60 credit points shall be for 100-level subjects.

Students enrolled in the Bachelor of Science who satisfy entry requirements may subsequently enrol in the Honours degree of Bachelor of Science, as set out in the Award Rule 125.

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Course Requirements – Bachelor of Engineering

Students enrolled in the Bachelor of Engineering must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects

plus the subjects leading to one of these Engineering degrees:

Bachelor of Engineering - Civil Engineering

Bachelor of Engineering - Environmental Engineering

Bachelor of Engineering - Materials Engineering

Bachelor of Engineering - Mechanical Engineering

Bachelor of Engineering – Mechatronic Engineering

Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science)

Testamur Title of Degree:	Bachelor of Engineering – Bachelor of Science
Abbreviation:	BE-BSc
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	83
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	750A
UAC Code:	751625
CRICOS Code:	048493M

Overview / Course Aims

The Faculties of Engineering and Health and Behavioural Sciences offer double degree courses over five years of full-time or eight years of part-time study, leading to the Bachelor of Engineering and Bachelor of Science. These courses provide education in either Mechanical Engineering or Mechatronics, together with a major study in Exercise Science to broaden the knowledge base of the graduate, thereby enhancing career prospects.

Requirement for admission to the double degree is a UAI or equivalent which is equal to or greater than the rank required for admission to the Bachelor of Science (Exercise Science) or the Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements

Students enrolled in the double degree must complete the following subjects:

Course Program:
Bachelor of Engineering (Mechanical) - Bachelor of Science (Exercise Science)

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6

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ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
BMS101	Systemic Anatomy	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
MECH252	Engineering Experimentation and Thermodynamics	Autumn	6
BMS112	Human Physiology 1	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
MECH201	Engineering Analysis	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
MECH226	Machine Dynamics	Spring	6
Year 3			
BMS211	Foundations of Biomechanics	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MECH311	Mechanical Engineering Design	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
ENGG361	Project and Business Management	Spring	6
MECH341	Thermodynamics	Spring	6
MECH343	Heat Transfer and Aerodynamics	Spring	6
Year 4			
BMS202	Human Physiology II	Autumn	6
MECH321	Dynamics of Engineering Systems	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS242	Exercise Physiology	Spring	6
BMS341	Clinical Biomechanics	Spring	6
MECH365	Control of Machines and Processes	Spring	6
Plus	2 electives (one Mechanical plus one other)		12
Year 5			
BExS352	Exercise Prescription II	Autumn	8
BExS401	Ergonomics	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
BExS351	Exercise Prescription I	Spring	8
BMS346	Motor Control and Dysfunction	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0
Plus	2 electives ((one Mechanical plus one other)		12

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Course Program:
Bachelor of Engineering (Mechatronics) - Bachelor of Science (Exercise Science)

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
CSCI1191	Programming for Engineers	Autumn	6
ENGG101	Foundations of Engineering	Autumn	6
ENGG153	Engineering Materials	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
ECTE172	Introduction to Circuits and Devices	Spring	6
ENGG152	Engineering Mechanics	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
BMS101	Systemic Anatomy	Autumn	6
ECTE202	Circuits and Systems	Autumn	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
BMS112	Human Physiology 1	Spring	6
ECTE212	Electronics and Communications	Spring	6
ENGG154	Engineering Design and Innovation	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
Year 3			
BMS202	Human Physiology II	Autumn	6
BMS211	Foundations of Biomechanics	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
BMS242	Exercise Physiology	Spring	6
MECH311	Mechanical Engineering Design	Spring	6
MECH226	Machine Dynamics	Spring	6
Year 4			
ECTE313	Electronics 3	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE371	Mechatronics Design	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS341	Clinical Biomechanics	Spring	6
BMS346	Motor Control and Dysfunction	Spring	6
ECTE301	Digital Signal Processing 1	Spring	6
ECTE333	Digital Hardware 2	Spring	6
Year 5			
BExS352	Exercise Prescription II	Autumn	6
BExS401	Ergonomics	Autumn	6
ECTE323	Power Engineering 2	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
MECH440	Fluid and Heat Transfer	Autumn	6
BExS351	Exercise Prescription I	Spring	6

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ECTE471	Robotics Manipulators	Spring	6
ENGG452	Thesis A	Annual	12
or			
ENGG453	Thesis B*	Annual	18
ENGG454	Professional Experience		0

* 18 credit point thesis is equivalent to the 12 credit point thesis and one 6 credit point elective.

Bachelor of Science (Physics) – Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Science (Physics) – Bachelor of Mathematics
Abbreviation:	BSc (Physics)-BMath
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
Approx. UAI Entry:	90
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	792
UAC Code:	751805
CRICOS Code:	048495J

Overview / Course Aims

This double degree provides students with a deeper understanding of the complementary areas of mathematics and physics. As well as making them eligible for employment in areas requiring qualifications in both mathematics and physics, this will particularly equip students for work in areas where they will undertake mathematical modelling of physical systems.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the Bachelor of Science (Physics) degree and the Bachelor of Mathematics. Refer to course structures below.

All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the Subject Coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

Students with a good academic record are encouraged to proceed to an Honours year. An additional year of study providing training in independent research in either discipline would be required.

Further Studies Options

Graduates can apply for entry to Honours in Physics, then Master of Science – Research or PhD.

Career Opportunities

Opportunities exist in teaching, administration, scientific communication, computing, and research.

Course Program

Subject		Session	Credit Points
Year 1			
MATH121	Discrete Mathematics	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6

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PHYS142	Fundamentals of Physics B	Spring	6
PHYS295	Concepts of the Modern Universe	Spring	6
Plus	2 electives		12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
Year 3			
CSCI114	Procedural Programming	Autumn/Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
PHYS305	Quantum Mechanics	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
MATH302	Differential Equations 3	Autumn	6
MATH305	Partial Differential Equations	Spring	6
MATH313	Industrial Mathematical Modelling	Spring	6
or			
STAT232	Estimation and Hypothesis Testing	Spring	6
PHYS375	Nuclear Physics	Spring	6
Year 4			
MATH312	Applied Mathematical Modelling 3	Autumn	6
or			
STAT333	Statistical Inference and Multivariate Analysis	Spring	6
Either			
MATH323	Topology and Chaos	Spring	6
or			
STAT335	Sample Surveys and Experimental Design	Autumn	6
Either			
PHYS325	Electromagnetism	Autumn	6
PHYS356	Physics of Detectors and Imaging	Autumn	6
PHYS396	Electronic Materials	Autumn	6
or			
2 x	300 level Mathematics subjects	Spring	12
or			
STAT304	Applied Probability and Financial Risk	Autumn	6
and			
STAT332	Multiple Regression and Time Series	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS390	Astrophysics	Spring	6

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Bachelor of Science - Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Science - Bachelor of Commerce
Abbreviation:	BSc-BCom
Home Faculty:	Science
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	747C
UAC Code:	751802
CRICOS Code:	028399G

Overview

This double degree enables students to undertake comprehensive majors in both Science and Commerce.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Any two units of English plus Mathematics and any two units of science. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Students must consult academic advisers from both the Faculty of Commerce and the Faculty of Science about selecting a major study from each Faculty.

The double degree consists of a minimum of 216 credit points taken over at least 4 years and shall include:

1. 90 credit points of subjects from the Science Schedule (including a minimum of 60 credit points for a Science major: Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology, Geosciences);
2. subjects from the Commerce Schedule, including core subjects that satisfy the requirements of one of the Commerce majors.
3. subjects from the Science, Commerce or General Schedules to ensure that a minimum of 216 credit points have been completed.

Note: Students may be given exemption from a subject when similar subjects exist in both majors selected, eg. Statistics.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for either BSc (Honours) or BCom (Honours).

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

Web site: www.uow.edu.au/science/.

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

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Bachelor of Science - Bachelor of Arts

Testamur Title of Degree:	Bachelor of Science - Bachelor of Arts
Abbreviation:	BSc-BA
Home Faculty:	Science
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	747 (Science majors) 747J (Health & Behavioural Science majors) 747E (Physics major)
UAC Code:	751801
CRICOS Code:	012098G

Overview

This double degree enables students to undertake comprehensive majors in both Science and Arts.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Any two units of English plus Mathematics and any two units of science. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Students must consult academic advisors from both the Faculty of Arts and the Faculty of Science about selecting a major study from each Faculty. The required 216 credit points taken over at least 4 years shall include:

1. 90 credit points of subjects from the Bachelor of Science including a major study from the Faculty of Science OR a major study from the Faculty of Health and Behavioural Sciences OR a major study in Physics (Faculty of Engineering)
2. 90 credit points from the Arts Faculty including subjects prescribed for one of the majors for the Bachelor of Arts degree. This will include one major study taught by a member unit of the Faculty of Arts or a major in Psychology or Population Health;
3. not more than 96 credit points for 100-level subjects.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for entry into either BSc (Honours) or BA (Honours).

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530

Web site: www.uow.edu.au/science/

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

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SUBJECT DESCRIPTIONS

BIOL352 Biology For Environmental Engineers

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with BIOL104.
Subject Description: Types of organisms, their classification and life styles. Ecology of populations and communities. Evolutionary biology and the origin of species. This subject includes a set of tutorials specifically designed for Environmental Engineers.

CHEM103 Introductory Chemistry For Engineers

Autumn Wollongong On Campus
Summer 2008/2009 Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with CHEM101.
Subject Description: Fundamentals: nomenclature and stoichiometry. Atomic theory, bonding and structure. Properties of matter. Reactions: thermochemistry, thermo dynamics, chemical equilibria, acid base equilibria and kinetics. Introductory organic chemistry. Environmental chemistry: pollution and pollution control. Electrochemistry: redox, galvanic cells, electrolysis and corrosion. Chemical basis of engineering materials such as metals, semiconductors, polymers, fuels, adhesives.

CHEM214 Analytical and Environmental Chemistry

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: (CHEM101 and CHEM102) or CHEM103 and Faculty of Science minimum mathematics requirement.
Co-requisites: None
Subject Description: This subject is an introduction to analytical chemistry and its application to environmental and biological systems. It provides an excellent introduction to the separation and quantification of various compounds through the application of a range of current analytical techniques. It will provide an understanding of sample compositions, sample preparation and analysis, and data interpretation using statistics. The material will be presented in lectures, workshops, and laboratory exercises.

CIVL245 Construction Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: ENGG251 Mechanics of Solids
Subject Description: The subject is designed to introduce the properties and use of the more common materials in modern construction practice. Topics will include: Concrete - Properties of concrete; structure and composition; cements; mix design; durability; high performance concrete; concrete manufacture Steel - Properties of steel with particular reference to brittle fracture, fatigue, corrosion and fire damage Alternative materials - timber; masonry; polymers; aluminium; composites.

CIVL272 Surveying

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Basic concepts - Australian map grid, Integrated survey grid, Australian height datum, control surveys, locating position, errors in measurement, units in surveying and significant figures. Measuring distances, reduced levels and angles. Determining position - traversing, global positioning systems and plane rectangular coordinates. Earthworks and volumes. Setting out - basic procedures, setting out curves, trenches, sewers, buildings and slope stakes for road grade. Introduction to underground surveying. Computer assisted data reduction. In addition to theoretical instruction, fieldwork assignments will be undertaken in electromagnetic distance measurement, traversing, levelling, curve ranging, staking a slope, and, for mining students, practical surveying in an underground environment.

CIVL296 Engineering Computing I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject introduces students to computer techniques to help in solving engineering problems. EXCEL spreadsheet fundamentals: paste functions, graphics, data analysis using regression and correlation, importing and exporting data, pivot tables, data filter, adding control buttons to worksheets, numerical and matrix applications, solver and goal seek tools. Advanced features of EXCEL: Macros and VBA programming language. Applications of EXCEL, VBA and MATLAB to engineering problems

CIVL311 Structural Design 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Introduction to structural design, dead and live loads. Review of limit states design. Design of reinforced concrete structural elements according to AS 3600. Strength and serviceability of reinforced concrete beams and one way slabs. Design of reinforced concrete columns for strength and stability. Design of steel beams and girders to AS 4100. Design of tension and compression members for trusses. Introduction to local and lateral buckling. Design of bolted and welded steel connections.

CIVL314 Structural Design 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CIVL311 Structural Design 1
Co-requisites: None
Subject Description: This course will consider an introduction to wind and seismic loads, reinforced concrete structures including the serviceability and strength design of reinforced concrete two way slab

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and flat plates for multistorey buildings together with reinforced concrete footings and retaining structures. An introduction to the design of prestressed concrete beams for serviceability and strength for both buildings and bridges. Case studies of multistorey building frames.

CIVL322 Hydraulics and Hydrology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: ENGG252 - Engineering Fluid Mechanics
Subject Description: Open Channel Hydraulics - uniform flow; gradually varied flow; changes in channel cross section; hydraulic structures; unsteady flow.br Flood Hydrology - data collection and analysis; flood frequency; rainfall intensity-frequency-duration relationships; unit hydrograph; design flood estimation; flood routing in rivers and storage reservoirs.br Pipeline and pumping systems - pipe networks; water distribution systems; pump characteristics; pressure surges.

CIVL352 Structures 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG251 - Mechanics of Solids
Co-requisites: None
Subject Description: Statically determinate and indeterminate trusses and frames. Flexibility and stiffness methods. Moment distribution. Unsymmetrical bending; shear centre. Elastic stability. Influence lines.

CIVL361 Geomechanics 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: ENGG251 Mechanics of Solids
Subject Description: Soils and rocks - differences and similarities; cohesionless and cohesive soils; behaviour of intact and jointed rock masses; weight-volume relationships; particle size distribution; index properties of soils; soil classification; soil compaction and compressibility; mechanical properties of rock. Some topics will be presented in a laboratory environment. Pore water pressures and effective stress concept; permeability of soil and hydraulic properties of rock masses; groundwater flow; seepage theory; flow nets. Shear strength of soils and rock masses, total and effective stress parameters, Mohr-Coulomb criterion; Hoek and Brown failure; sliding on planes of weakness. Application of elastic theory for calculating stresses and displacements within soil or rock masses. Stability analysis of soil and rock slopes; stabilisation methods.

CIVL392 Engineering Computing 2

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CIVL296 and MATH283
Co-requisites: None
Subject Description: Numerical computation. Taylor series, roots of equations, numerical differentiation, difference tables, linear systems, numerical integration, differential equations. Use of applications software. Numeric Computation and Visualisation - MATLAB interactive, graphically based system for solving mathematical and engineering problems

CIVL394 Construction

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: CIVL361 Geomechanics 1
Subject Description: The subject is designed to provide students with detailed knowledge of construction with regard to both surface and underground structures, including construction techniques, stability and maintenance aspects. The following subject material will be covered: Plant and equipment in Civil Engineering practice; Construction processes and quality control; Tunnelling in soft ground and rock; Coffer dams and caissons; Harbour works; Dewatering and grouting methods; Performance monitoring and observational design; underpinning and restoration techniques; formwork and scaffolding. The lectures and tutorials will be complemented with practical project work and a field trip.

CIVL415 Structural Design 3

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CIVL311 Structural Design 1 and CIVL314 Structural Design 2
Co-requisites: None
Subject Description: Advanced design considerations in concrete and steel structures; gravity and lateral load resisting systems for steel, concrete, and mixed construction frames for wind, earthquake and other extreme loads; advanced reinforced concrete design including shear walls and deep beams; integrated topics may include the design of multistorey buildings, car parks or other structures which enables integration of the concepts of structural design and construction.

CIVL444 Civil Engineering Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CIVL361 Geomechanics 1, CIVL311 Structural Design 1, CIVL322 Hydraulics and Hydrology
Co-requisites: None
Subject Description: Major Civil Engineering design, which will cover an integrated project incorporating geotechnical, hydraulic, structural and transport engineering.

CIVL454 Structures 2

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CIVL352 Structures 1
Co-requisites: None
Subject Description: Ultimate load analysis of beams, plates, slabs and frames in steel and concrete. Composite beams and columns. Vibrations due to earthquake, wind, and water. Dynamics of single degree of freedom systems.

CIVL457 Structures 3

Not on offer in 2008
Credit Points: 6
Pre-requisites: CIVL352 - Structures 1
Co-requisites: None
Subject Description: Elementary structural concepts using matrix algebra. Structural

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assemblages. Finite element analysis for one, two and three dimensional problems. Computer applications in statics, stability and dynamics.

CIVL462 Geomechanics 2

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CIVL361 - Geomechanics 1
Co-requisites: None
Subject Description: One-dimensional theory of consolidation, primary and secondary consolidation; normally consolidated and over consolidated soils; settlement analysis.br Relationship between principal stresses at failure, importance of drainage conditions in soils, fully undrained conditions for saturated soils; drained and undrained shear strength of cohesive solids, behaviour of partially saturated soils.br Overburden and lateral stresses, active and passive pressures, Rankine's earth pressure theory, Coulomb's wedge theory, geotechnical aspects of retaining walls, drainage of backfill.br Bearing capacity of foundations; shallow footings and rafts, pile foundations, contact stress and subgrade reaction; use of elastic theory for stress and settlement calculation in soils and rocksbr. Unconfined seepage through earth structure, seepage control in dams, design of filters.

CIVL463 Applied Geotechnical Engineering

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CIVL462 - Geomechanics 2
Co-requisites: None
Subject Description: Models of soil behaviour, stress paths in soil mechanics, total and effective stress paths, Stress strain behaviour of different types of soil under drained and undrained conditions; strain-softening; peak, softened and residual shear strength of cohesive soils; pore pressure co-efficients A and B and their use in practical problems. Soil behaviour under earthquake conditions, the phenomenon of liquefaction. Comparison of laboratory and field testing for geotechnical investigation; uncertainties in geomechanics, Analysis of cantilever and anchored sheet piles, analysis of strutted excavations.

CIVL487 Traffic Engineering

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject is designed to provide students with detailed knowledge of traffic and transport engineering. The subject will cover traffic engineering systems, traffic flow theory, intersection capacity, traffic control devices, accident studies, traffic survey methods, traffic management, transport network models, and use of traffic simulation programs. All these roads and traffic designs are to comply with the requirements of the current Australian Standards and codes of practice. The subject will include a nunber of tutorials, computer applications and field work.

CIVL489 Roads Engineering

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG251 Mechanics of Solids and CIVL361 Geomechanics I
Co-requisites: None
Subject Description: The subject is designed to provide students with detailed knowledge of roads engineering: the design of roads both geometrically and structurally, construction and rehabilitation of roads. The subject will cover the following topics: route selection, road location, environmental factors, land information systems, geometric design of rural roads, pavement and subgrade materials, vehicular loading, analysis of road pavements, pavement design, road drainage, recycling pavements, cost analysis, planning and road construction and traffic engineering. All these roads designs are to comply with the requirements of the current Australian Standards and codes of practice. The subject may include a number of tutorials, computer applications and field work.

CIVL491 Engineering Computing 3

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CIVL392 Engineering Computing 2
Co-requisites: None
Subject Description: Use of engineering applications software, including structural and geotechnical mechanics, using finite element programs for stress, stability, and dynamic analysis. Discrete simulation. Depending on the availability of software other applications may be utilised. Problems will be selected from various areas in engineering.

CIVL495 Public Health Engineering

Not on offer in 2008
Credit Points: 6
Pre-requisites: ENGG252 - Fluid Mechanics
Co-requisites: None
Subject Description: The subject is designed to introduce public and environmental engineering concepts to civil engineers. The public health issues relating to natural resources, ecological concepts, water supply and sanitation problems, water and wastewater characteristics, water quality standards and guidelines, engineering management of water quality processes in rivers and lakes, stormwater and mine water pollution and control, design of water supply and treatment processes, design of wastewater collection, treatment, reuse and disposal systems, industrial water treatment and reuse will be discussed. The lecture components will be complemented with tutorials, laboratory classes and field trips.

ECTE290 Fundamentals of Electrical Engineering

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH141 or MATH161 or MATH187
Co-requisites: PHYS142 or PHYS143
Exclusions: ELEC290
Subject Description: ECTE290 is offered as a servicing subject to students undertaking Bachelor of Engineering Degrees within the Faculty of Engineering. The aim of this subject is to provide students in other Engineering disciplines with an introduction to some basic concepts of electrical circuits, electrical measurements, instrumentation, data logging, and heavy current devices.

EESC312 Resource Geology for Engineers

Spring Wollongong On Campus
Credit Points: 6

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Pre-requisites: EESC252; Restricted to students enrolled in BE (Civil or Mining)
Co-requisites: None
Exclusions: Not to count for credit with EESC306
Subject Description: This subject covers the major concepts in metalliferous deposits and coal resources. Topics include the types and genesis of ore in igneous, metamorphic and sedimentary rocks, the formation and properties of coal, assessment of coal rank and type. The applications of geochemical methods and geophysical methods such as seismic, magnetic, gravity electrical and radiometric to the discovery and evaluation of deposits will be introduced. Professional matters such as the calculation of reserves and the code of ethics (JORC code) will be introduced.

ENGG101 Foundations of Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will participate in a series of lectures and workshops, designed to allow experiencing of engineering technology and science. Exercises replicating typical engineering problems will be undertaken. Emphasis will be on the use of engineering technologies to better understand and solve these problems. Topics include: stress/strain and materials mechanics; analysis of loadings on bodies (free-body diagrams and force equilibrium); conservation of energy and momentum; continuity of flow/conservation of mass; fluid properties; theories of failure and materials properties.

ENGG152 Engineering Mechanics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Two dimensional statics of particles and rigid bodies. Forces in frames. Kinematics of particles in rectilinear and plane motion. Kinetics of particles: equations of motion; work and energy; impulse and momentum.

ENGG153 Engineering Materials

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Introduction to engineering materials: definition and description of properties; influence of material properties on engineering design; description of material structures and relationships to properties; production processes for engineering materials; the materials cycle. Case studies illustrating the use of metals, ceramics and polymers in engineering applications. Practical classes on measuring mechanical properties and observing mechanical behaviour.

ENGG154 Engineering Design and Innovation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: (a) Engineering Drawing: Introduction and standards information; geometrical constructions; freehand sketching; the production of a mechanical drawing; orthographic projection; selection and layout of views; sectional views of orthographic projections; auxiliary views of orthographic projections; general arrangements and assembly drawings. (b) Computer-Aided Drafting: Introduction to computer aided drafting; use of entity draw and selected utility commands and services; dimensioning, display controls; coordinate systems; editing and inquiry commands; entity properties (layers) and use of blocks. (c) The phases of design; team building; design and manufacturing processes; design models; design economics; decision processes; creative design; case studies. The three sections of this subject will be presented as an integrated whole. This will be achieved through a number of creative design projects and case studies.

ENGG171 Scholars Research Project 1

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject introduces students to specific areas of research in the field of Engineering. Topics will be negotiated based on the current activities of various research units linked to the Faculty of Engineering and the interests of the student. Students will join a particular project and undertake certain tasks under the supervision of a designated staff member. Students are required to undertake literature reviews, collect and analyse data and report on their findings to the research team. Hands on experience in an engineering laboratory is a feature.

ENGG251 Mechanics of Solids

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG152 Engineering Mechanics
Co-requisites: None
Subject Description: Stress on a section, concept of stress-strain relationship and Hooke's Law. Torsion of shafts and hollow sections. Problems in bending and stress of beams. Analysis of plane stress and plane strain, combined stresses. Introductory yield criteria for metals, and anelastic behaviour of non metals. Deflection of beams and frames. Statically indeterminate beams, and simple column buckling. Thermal stresses and energy methods. Experimental techniques. Prerequisite minimum preparation is Engineering Mechanics, Engineering Mathematics and Engineering Materials.

ENGG252 Engineering Fluid Mechanics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH142 or MATH188 or MATH162
Subject Description: This subject is designed to introduce elementary fluid mechanics concepts for civil, environmental, mechanical and mining engineers. The topics include fluid properties, hydrostatics, manometry, Bernoulli's, mass, energy and momentum equations and their applications, dimensional analysis, fluid flow in pipes, pipe friction losses and fluid flow measurements. The lecture components will be complemented with tutorials and laboratory classes. This subject intends to provide a working knowledge

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to solve simple fluid flow problems in the various branches of engineering.br Students are assumed to have knowledge of 1st year engineering mathematics.

ENGG255 Professional Option 2

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is for students currently in approved full-time employment and enrolled in a part-time study program. This subject will normally be taken in Stages 3, 4 or 5 of the BE Program. Students must seek approval to enrol in this subject from the Director of Studies. Approval will be granted to students who can demonstrate that their employment provides appropriate experience and training as part of their degree program. Approval will not be granted for work that involves essentially trivial/ routine tasks or that is not directly related to the discipline of engineering relevant to the student's program.

ENGG261 Professional Engineers and the Management of Technology

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: An introduction to the engineering profession, the important role engineers play in managing technology in a modern community, and development of communications skills essential for effective leadership. Topics include the engineering profession, engineering design and philosophy, the engineer's role in modern society, communications processes, research methods, oral and written communications techniques. Case studies, statistics, and historical data are used to stimulate wide ranging thought and discussion about the engineering profession, our role and responsibilities.

ENGG271 Scholars Research Project 2

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject introduces students to specific areas of research in the field of Engineering. Topics will be negotiated based on the current activities of various research units linked to the Faculty of Engineering and the interests of the student. Students will join a particular project and undertake certain tasks under the supervision of a designated staff member. Students are required to undertake literature reviews, collect and analyse data and report on their findings to the research team. Experience in engineering design, experimentation and data analysis will be a feature.

ENGG291 Engineering Fundamentals

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide students from disciplines such as Electrical, Telecommunications and Computer Engineering with an introduction to some other Engineering disciplines which have an important role in the design and application of electrical and computer technologies. Three main areas are covered. Heat Transfer- Conduction, convection and radiation heat transfer as applicable to the field of electrical engineering. Engineering Mechanics- Forces, moments and equilibrium states; stress in beams, cylinders and shafts; simple deflection analysis. Materials Engineering- Overview, of engineering materials; bonding and crystal structure in electrical and electronic materials; origin of electrical and electronic properties; structure and properties of electrical and electronic materials; selection of materials for application in electrical engineering.

ENGG355 Professional Option 3

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is for students currently in approved full-time employment and enrolled in a part-time study program. This subject will normally be taken in Stages 3, 4 or 5 of the BE Program. Students must seek approval to enrol in this subject from their Director of Studies. Approval will be granted to students who can demonstrate that their employment provides appropriate experience and training as part of their degree program. Approval will not be granted for work that involves essentially trivial/ routine tasks or that is not directly related to the discipline of engineering relevant to the student's program.

ENGG361 Project and Business Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Within the project management context, students will develop proficiency with analytical tool application to project scope, time, cost, risk and contractual issues. Additionally, the subject looks at ongoing management issues (product design, marketing, business structure and financial management) with a focus on the development and business management of a credible design product.

ENGG371 Scholars Research Project 3

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject introduces students to specific areas of research in the field of Engineering. Topics will be negotiated based on the current activities of various research units linked to the Faculty of Engineering and the interests of the student. Students will join a particular project and undertake certain tasks under the supervision of a designated staff member. Students are required to undertake literature reviews, collect and analyse data and report on their findings to the research team. The research will include experience in an engineering laboratory and/or computer work.

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ENGG433 Financial Management for Engineers

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Financial management principles, time value of money, discrete assets considerations, continuous assets considerations, identification of cost elements, cost prediction methods, regulatory economics, financial case development, engineered asset repair-replace decision making.

ENGG434 Introduction to Materials Welding and Joining

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATE434 Materials Welding and Joining
Subject Description: The subject introduces the student to the selection and cost effective application of joining technology. OH&S and quality issues and recent welding innovations are covered

ENGG452 Thesis A

Autumn Wollongong On Campus
Annual Wollongong On Campus
Spring Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 12
Pre-requisites: Completion of 120cps
Co-requisites: None
Subject Description: All students must complete a 12 credit point thesis (ENGG452) normally over a period of two sessions - though Scholars Program students may elect to take ENGG453. Students are expected to spend at least 336 hours on the 12 credit point thesis. The thesis is a core element of the degree in each engineering course. The knowledge and skills acquired in the design, experimentation, analysis, management and communications aspects of the course are brought together in an individual project undertaken by the student under the guidance of an academic supervisor. Individual disciplines will advise further requirements at the start of the thesis.

ENGG453 Thesis B

Annual Wollongong On Campus
Spring Wollongong On Campus
Autumn Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 18
Pre-requisites: Completion of 120cps
Co-requisites: None
Subject Description: As an alternative to ENGG452, subject ENGG453 (18 credit points) may be taken by students in the Engineering Scholars program, or by other high achieving students with the permission of the Sub Dean of Engineering. A student electing to take ENGG453 will undertake a longer period of work and complete a longer thesis. Students are expected to spend 504 hours on the 18 credit point thesis. The thesis is a core element of the degree in each engineering course. The knowledge and skills acquired in the design, experimentation, analysis, management and communications aspects of the course are brought together in an individual project undertaken by the student under the guidance of an academic supervisor. Individual disciplines will advise further requirements at the start of the thesis.

ENGG454 Professional Experience

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 0
Pre-requisites: None
Co-requisites: None
Subject Description: As a requirement for the award of the degree of Bachelor of Engineering, students are required to obtain at least 12 weeks approved professional experience in a relevant industry during the course and submit a report to the satisfaction of the Discipline Directors of Studies. It is preferable that candidates undertake this requirement during the summer recess, between the third and fourth years of the BE degree. Exemption from the requirement will be given to a student who has passed one or more of the Professional Option subjects. Refer to Discipline Directors' of Studies for details.

ENGG455 Professional Option 4

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is for students currently in approved full-time employment and enrolled in a part-time study program. This subject will normally be taken in Stages 3, 4 or 5 of the BE Program. Students must seek approval to enrol in this subject from their Director of Studies. Approval will be granted to students who can demonstrate that their employment provides appropriate experience and training as part of their degree program. Approval will not be granted for work that involves essentially trivial/ routine tasks or that is not directly related to the discipline of engineering relevant to the students. program.

ENGG461 Management and Human Factors in Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG361 or ECTE350
Co-requisites: None
Subject Description: The particular topics addressed in this course, which every engineering student should know and be prepared to put into practice on entering his/her professional career, include: Project Management; Total Quality Management; Quantitative Management Techniques; Human Relations; Engineers' Ethics and Controversy; Engineers as Consultants/Experts; Accidents and Risk, Occupational Health and Safety; Maintenance Management; and Innovation Management.

ENVE220 Water Quality Engineering

Spring Wollongong On Campus
Credit Points: 6

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Pre-requisites: ENGG252 Engineering Fluid Mechanics
Co-requisites: None
Subject Description: The subject is designed to introduce environmental engineering concepts at a fundamental level that leads to sustainable development. The environmental problems and solutions relating to natural resources, ecological systems, water pollution, water quality processes in rivers and lakes, water supply and treatment processes, wastewater collection, treatment and re-use, water quality guidelines and other global environmental issues will be discussed. The lecture components will be complemented with tutorials and laboratory classes.

ENVE221 Air and Noise Pollution

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Air Pollution - meteorology; atmospheric chemistry; air quality; sources of air pollution; effects of air pollution; dispersion modelling; control of air pollution. Noise Pollution - noise pollution legislation; sound power and intensity levels; noise from several sources; background noise effects; defining and measuring noise; weighting factors and equivalent noise levels; effect of noise on people; propagation of sound; noise control at source, during propagation and at receiver; design of noise barriers.

ENVE311 Pollution Control and Cleaner Production

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENVE220 - Water Quality Engineering
Co-requisites: None
Subject Description: This subject is divided into two sections. The first section deals with unit processes design. In this section all the physico-chemical processes commonly used for water pollution control will be discussed in detail. In the second section two topics viz, industrial waste management and cleaner production will be introduced. Industrial waste management includes source identification, characterisation, segregation, treatment and disposal. It also includes design of various unit operations/processes for liquid waste treatment. Application of advanced processes in an industry for waste treatment, reuse and recycling, and final disposal of wastes, plus overall waste auditing of an industry will be illustrated using a case study.

ENVE320 Environmental Engineering Design 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENVE220 Water Quality Engineering
Co-requisites: None
Subject Description: The subject is designed to introduce system design using unit processes encountered in environmental engineering. The subject will cover design concepts, detailed and advanced design of water supply and treatment systems, advanced solid -liquid separation processes, design of wastewater collection systems, design of advanced wastewater treatment plant design, ocean outfall systems, design of land based systems, network design. The subject also includes design of air pollution and control systems. The lecture components will be complemented with design classes and field trips.

ENVE321 Solid and Hazardous Waste Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces fundamentals of solid and hazardous waste management. The content includes characterisation, collection, transportation, storage and final disposal of solid and hazardous waste. In the case of hazardous waste, additional topics of identification, classification, risk assessment, legislation and health hazards will be covered. Waste minimisation, reuse/recycle; stabilisation and volume reduction of hazardous waste are considered. Besides lectures and tutorial sessions, this subject includes field trips, laboratory classes and project work.

ENVE385 Environmental Engineering

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: (a) Causes and control of air pollution, water pollution and noise pollution. (b) Experiments on water characteristics determination, waste water characteristics determination, oxygen capacity of water, noise pollution and air pollution.

ENVE410 Site Remediation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CHEM214 Analytical and Environmental Chemistry
Co-requisites: None
Subject Description: This subject introduces fundamentals of site remediation and will include topics such as site characterisation, containment, soil erosion and remediation technologies. Remediation technologies such as biodegradation, permeable barriers, composting, incineration and soil vapour extraction will be presented in detail. Containment topics will include cover systems, reactive barriers, vertical barriers and geosynthetics. Topics such as remediation of soft and compressible ground, and acid sulphate soils will also be presented.

ENVE420 Water Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: CIVL322 Hydraulics and Hydrology
Subject Description: Coastal Engineering - wave forecasting; wave refraction; diffraction and breaking; wave forces on structures; beach erosion and beach protection. Water Resources - the hydrologic cycle; distribution of the world's water resources; surface water resources; groundwater resources; computer models of catchment water balances; storage reservoir yield analysis. River Engineering - fluvial hydraulics; morphology of natural channels; erosion and sediment transport; re-naturalising streams; remediation of polluted rivers. Urban Stormwater

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Management - stormwater quality and flooding problems in urban areas; flood reduction using detention basins; computer modelling of urban stormwater systems.

ENVE421 Environmental Engineering Design 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ENVE320, ENVE321 and CIVL322
Co-requisites: None
Subject Description: The ability to undertake a comprehensive integrated project design is the capstone of a student's engineering education. This subject will provide students with the opportunity to undertake the design of a major project. Students will be provided with an overall concept plus specific requirements that must be met by the design. All aspects of environmental engineering will be involved, including impact assessment, legislation, and modelling. Topic areas that have not been presented in previous subjects, but are required for the successful completion of the project, will be covered during the lecture portion of the class. Lecture topics will include environmental impact assessment and legislation, and environmental modelling.

ENVE422 Membrane Science and Technology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject intends to demonstrate to students how nature works (biological membranes) and how such principles (membrane processes) can be used for medical, water and wastewater, processing and other industries by engineering appropriate materials and systems. The subject hence leads from nature to material science and engineering, fundamental transport principles to applications and process design with immediate relevance to the water and wastewater treatment industry where membrances are becoming a predominant process choice worldwide. The subject aims to bring science and engineering together on a number of levels such as in terms of learning from nature, applying engineering solutions to medical applications and using scientific principles to obtain engineering solutions. Both engineering and science students will be exposed to the thinking in the other discipline.

MATE201 Structure and Properties of Materials

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG153 Engineering Materials or PHYS141 Fundamentals of Physics A and PHYS142 Fundamentals of Physics B
Co-requisites: None
Subject Description: Study of fundamental crystallography, structural defects, non-crystalline structures, structures of common metals, intermetallics, simple ceramics and polymers. Electrical, magnetic, optical, thermal and mechanical properties of materials and their relationships to structure will be discussed. Basic principles of techniques used to study structure will be introduced: optical microscopy, x-ray diffraction and scanning and transmission electron microscopy. Students will participate in tutorials and laboratory work related to these topics.

MATE202 Thermodynamics and Phase Equilibria

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CHEM103 or CHEM101 and CHEM102 or CHEM104 and CHEM105
Co-requisites: None
Subject Description: Laws of thermodynamics: energy, entropy and free energy; equilibrium in chemical systems; chemical potential; determination of thermodynamical quantities; thermodynamics of phase equilibria and construction of phase diagrams. Binary condensed systems; Gibbs phase rule: lever rule; types of equilibrium diagram; experimental determination of phase diagrams, microstructural development, non-equilibrium effects. Ternary condensed systems. Application of phase equilibria to metallic, ceramic and polymeric systems.

MATE203 Phase Transformations

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: MATE201 Structure and Properties of Materials
Subject Description: Nucleation in liquid and solid states; thermodynamics of solidification and phase transformation; solidification of pure materials and alloys; thermal supercooling; constitutional supercooling; interface stability; solute redistribution; eutectic solidification; crystal growth techniques. Solid-state transformations - nucleation and growth of phases; Fick's laws of diffusion; diffusion mechanisms; transformation kinetics; transformation diagrams. Diffusional and diffusionless transformations: decomposition of solid solutions; ordering reactions, spinodal decomposition; eutectoid, massive, bainitic and martensitic transformations; crystallographic features; transformations in common alloy systems.

MATE204 Mechanical Behaviour and Fracture

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE201 Structure and Properties of Materials
Co-requisites: None
Subject Description: Theoretical strength; slip; twinning; deformation of single and poly crystals; dislocation multiplication; cross slip; climb; dislocation interactions. Strain hardening; solid solution hardening; dispersion hardening; grain size strengthening; other strengthening mechanisms. High temperature deformation; creep; stress relaxation; effect of strain rate and temperature; plastic instability; super plasticity; viscoelastic behaviour. Fracture mechanics - fracture modes; plane stress and plane strain; notch effects; crack propagation; fracture toughness; high temperature fracture; fatigue and environmentally-assisted failure; design to minimise fracture.

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MATE291 Engineering Computing and Laboratory Skills

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG153 Engineering Materials
Co-requisites: None
Subject Description: Introduction to basic laboratory techniques used to study structure and properties of materials. Techniques include thermal treatment, reflected and transmitted light microscopy , micro-hardness testing of alloys and statistical analysis of data. Introduction to computer operating systems, application of spreadsheets to engineering problems, introduction to structured programming using flow-charts; data acquisition and control using the C-language. Information gathering and report writing skills will be further developed.

MATE301 Engineering Alloys

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE203 Phase Transformations
Co-requisites: None
Subject Description: Ferrous alloys - Phase transformations in ferrous alloys; binary and ternary additions to iron; strengthening mechanisms; ternary and multi component alloys; commercial steels and cast irons; hardenability.br Non-ferrous alloys - Physical metallurgy, processing and applications of commercially significant non-ferrous alloys.br Advanced alloys and processing - superalloys, superplastic alloys and metal-matrix composites. Design and selection of metallic materials on the basis of property requirements. Case studies.

MATE302 Polymeric Materials

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG153 Engineering Materials
Co-requisites: None
Subject Description: Review of polymerisation chemistry. Description of polymer structures from macromolecular to macroscopic; introduction to techniques for characterisation of polymer structures. Relationships between structure and properties of polymers, including mechanical, thermal, chemical, optical, electrical and rheological. Processing techniques for polymer products. Engineering design with polymers. Advanced polymers.

MATE303 Ceramics, Glasses and Refractories

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE201
Co-requisites: None
Subject Description: Description of complex ceramic structures, including atomic and microstructural features of glass and crystalline ceramics, study of relationships between structures and physical and mechanical properties, methods for testing ceramics, industrial processing methods for ceramics, refractories, engineering ceramics. A major process design project, in which students attempt to make a finished ceramic product which meets certain specifications forms a key part of the assessment.

MATE304 Transport Phenomena in Materials Processes

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH283 Mathematics 2E for Engineers Part 1
Co-requisites: None
Subject Description: Fluid dynamics - Properties of and types of fluids; laminar and turbulent flow; energy balances; conservation of energy; flow through packed beds; dimensional analysis; fluid flow measurement. Heat and mass transfer - One and two dimensional heat conduction; radiation heat transfer; free and forced convection. Application of Ficks laws to diffusion in solids, liquids and gases; mass transfer coefficient; mass transport in fluid systems; interphase mass transfer; two-resistance theory. Applications of transport phenomena to a range of metallurgical processes.

MATE305 Primary Materials Processing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE202 Thermodynamics and Phase Equilibria
Co-requisites: None
Subject Description: Introduction to primary processing; raw materials and materials preparation for production of metals, ceramics and polymers; mineral processing ; production of metal oxides, clinkers and sinters. Study of metallurgical processes including iron and steelmaking, production of copper and aluminium. Introduction to polymerisation processes. The application of thermodynamics and kinetics to processing. Students will be involved in case study based projects, some laboratory work and visits to industrial sites.

MATE306 Degradation of Engineering Materials

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE202 Thermodynamics and Phase Equilibria
Co-requisites: None
Subject Description: Preliminary corrosion & electrochemistry; metals in equilibrium, thermodynamics of corrosion and dissolution, Pourbaix diagrams; Departures from equilibrium- kinetics of corrosion & the Evans diagram; types of corrosion, methods of measuring corrosion rates; Surface films & passivity; Corrosion prevention & control. Wear of materials; surface topography and its determination; origin of friction, influence of surface films and work hardening on friction; introduction to contact mechanics; wear mechanisms and wear maps; techniques for minimising wear. Design of materials for particular service environments. Degradation of ceramics and polymers.

MATE391 Materials Testing Techniques

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE291 Engineering Computing and Laboratory Skills
Co-requisites: None
Subject Description: This is a laboratory based subject designed to give students practical experience with a variety of testing techniques used to assess materials.

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Techniques include thermal analysis, dilatometry, particle size analysis, and scanning electron microscopy and energy dispersive spectroscopy of x-rays. Principles of the techniques, data analysis and applications of the techniques to engineering problems such as failure analysis and phase transformations will be studied.

MATE401 Selection of Materials in Engineering Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE201 Structure and Properties of Materials
Co-requisites: None
Subject Description: Engineering materials: properties, specifications and standards. Processes for shaping materials. Analysis of property - processing requirements for given applications. Design for recycling and sustainable development. Cost considerations in selection and design. Influence of shape factors in component design. Selection methodologies: performance indices, weighted property indices, value analysis, failure analysis and cost-benefit analysis.

MATE402 Secondary Materials Processing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE202 Thermodynamics and Phase Equilibria and MATE203 Phase Transformations
Co-requisites: None
Subject Description: Heat flow in solidification; solidification of castings and ingots; mould design; continuous casting, near-net-shape casting, squeeze casting, spray forming and other casting methods; grain refinement; as-cast microstructure and homogenisation; casting defects. Mechanics of deformation processing; flow stress determination; temperature and strain-rate effects; dynamic restoration mechanisms; friction and lubrication; residual stresses; deformation-zone geometry; microstructural modelling; control of microstructure; computer-aided programming. Industrial metalworking processes: rolling, forging, extrusion, drawing, and machining; production of polymers and ceramics.

MATE411 Advanced Materials and Processing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE201 Structure and Properties of Materials and MATE203 Phase Transformations
Co-requisites: None
Subject Description: Study of advanced materials selected from: glassy, quasi crystalline and nano crystalline materials, magnetic, electronic, catalytic and bio sensing materials; intelligent, functionally gradient and environmental materials. Superplasticity, superelasticity and superconductivity. Metal, polymer and ceramic based composite and principles of reinforcement. Advanced processing methods selected from: rapid solidification, powder processing, near-net-shape forming, self-sustaining high temperature synthesis, biomimetic processing, sol-gel processing, zone refining and molecular beam epitaxy. Engineering applications of advanced materials and processing methods.

MATE412 Electronic Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE201 Structure and Properties of Materials or PHYS205 Advanced Modern Physics or PHYS230 Intermediate Physics
Co-requisites: None
Subject Description: The nature of electronic materials; Electrons in solids, band theory, insulators, conductors, semiconductors and superconductors. The free and nearly free electron theories. Electrical conductivity, hall effect. Types of magnetic materials. Semiconductors - intrinsic, extrinsic, the hole, the p-n junction. Superconductors - phenomena, BCS theory. Production of semiconductors and superconductors, control of processing to achieve desired properties. Design and production of novel materials to achieve improved performance in electronic devices; modern applications.

MATE413 Structural Characterisation Techniques

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE291 Engineering Computing and Laboratory Skills
Co-requisites: None
Subject Description: Several advanced structural characterisation techniques will be introduced through lectures and laboratory classes. Topics may be selected from: electron microscopy - interactions of electrons with solids, electron optics, image formation and interpretation, scanning and transmission electron microscopy , energy dispersive spectroscopy , convergent beam electron diffraction, image contrast theory, thin foil microanalysis. Atomic force microscopy, X-ray diffraction and texture analysis. Studies of advanced materials characterisation techniques may also be included.

MATE422 Iron and Steelmaking

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATE202 Thermodynamics and Phase Equilibria
Co-requisites: None
Subject Description: The fundamentals of metallurgical thermochemistry and reaction kinetics are studied with a view to metallurgical process analysis in the iron and steelmaking industry, with an emphasis on ladle metallurgy. Direct reduction of iron ore; single particle reduction kinetics and the analysis of shaft furnace operation leading to an analysis of the blast furnace. Analysis of industrial processes with emphasis on reactor design, smelting-reduction and ferro-alloy production.

MATE433 Surface Engineering

Not on offer in 2008
Credit Points: 6
Pre-requisites: ENGG153
Co-requisites: None
Subject Description: The subject provides an overview of the various classifications of surface treatments used in materials science and engineering. Students will be introduced to important industrial surface treatment processes, including thermal spraying, laser heat treatment and cladding, plasma nitriding, and

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chemical and physical vapour deposition. Fundamental aspects will be studied, as well as the application of these technologies to solve real engineering problems.

MATH010 Enabling Mathematics for Engineers

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: HSC General Mathematics OR Yr 10 Advanced Mathematics
Co-requisites: None
Exclusions: Not to count with MATH151.
Subject Description: The subject covers the main topics which are taught in mathematics years 11 and 12 at school. The chosen topics are specifically those taken as assumed knowledge in the subjects MATH141 and MATH187. The general topic areas are: algebra, trigonometry, coordinate geometry, functions and calculus. The focus is on developing mathematical skills and improving competence and confidence in the language and terms of mathematics. Where possible the work will be related to potential engineering applications.

MATH141 Mathematics 1C Part 1

Autumn Loftus On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Either a mark of at least 65 in MATH151 OR in NSW HSC Examination: Mathematics - Band 2 or better.
Co-requisites: None
Exclusions: MATH101, MATH141, MATH161 and MATH187 are not to count together.
Subject Description: MATH141 is an alternative core subject for candidates whose HSC mathematics background is weaker than that required for MATH187. The aim of this subject is to develop ideas, concepts and skills in mathematics, especially applied skills, for application in later subjects. Main topics covered are matrix algebra, determinants, vectors, and differential and integral calculus.

MATH142 Mathematics 1C Part 2

Spring Loftus On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Either MATH141 or MATH161 OR a mark in the range 45 to 54 in MATH187
Co-requisites: None
Exclusions: MATH101, MATH142, MATH162 and MATH188 are not to count together.
Subject Description: MATH142 is a core subject continuing on from MATH141. The aim of this subject is to develop ideas, concepts and skills, especially applied skills, in mathematics for application in later subjects. Main topics covered are further calculus, differential equations, numerical mathematics, sequences and series of numbers and complex numbers. Students who do sufficiently well in MATH142 may proceed to relevant 200 level mathematics subjects.

MATH187 Mathematics 1A Part 1

Autumn Loftus On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Either a mark of at least 80 in MATH151 OR (in the NSW HSC Examination) Mathematics Band 4; or Mathematics Ext 1.
Co-requisites: None
Exclusions: MATH101, MATH141, MATH161 and MATH187 are not to count together.
Subject Description: The pair of subjects MATH187 and MATH188 make up the core for 100 level subjects. They are needed for most 200 level subjects in Mathematics and Applied Statistics. Students not wishing to proceed to 200 level mathematics may just study MATH187. MATH187 is available to students in all disciplines. This subject aims to develop ideas, concepts and skills in mathematics for application in subjects that require MATH187 as a co- or pre-requisite. Main topics are matrix algebra, determinants, vectors, and differential and integral calculus.

MATH188 Mathematics 1A Part 2

Spring Loftus On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Either MATH187 OR a mark of at least 65 in MATH141 or MATH161
Co-requisites: None
Exclusions: MATH101, MATH142, MATH162 and MATH188 are not to count together.
Subject Description: MATH188 is a core subject continuing on from MATH187. The aim of this subject is to develop ideas, concepts and skills in mathematics for application in later subjects. Main topics covered are further calculus, differential equations, sequences and series of numbers, numerical mathematics and complex numbers. This subject is required for most 200 level Mathematics and Applied Statistics subjects.

MATH283 Mathematics IIE for Engineers Part 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: One of MATH101 or MATH142 or MATH144 or MATH162 or MATH188
Co-requisites: None
Exclusions: Not to count with MATH202 or MATH261 or MATH281.
Subject Description: MATH283 is a subject for Bachelor of Engineering students. The subject consists of two topics, Differential Equations and Statistics. Each topic is worth 50% of the final mark. Differential Equations deals with new techniques, including the Laplace transform, Fourier series, and special functions (the gamma, beta and error functions). Statistics gives an introduction to statistical computing, and to basic statistical techniques, including mathematical models for describing variation in experimental situations.

MECH201 Engineering Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH283 Mathematics II E Part 1
Co-requisites: None
Subject Description: Analysis for the conservation of mass, momentum and energy in engineering systems; numerical methods for the solution for a selection of problems in fluid mechanics, heat transfer, solids mechanics, bulk solids and control systems; linear algebra;

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eigenvalue analysis; optimisation curve fitting; roots of equation; experimentation to validate engineering analysis; ordinary differential equations; partial differential equations; use MATLAB and spreadsheets for numerical solutions of engineering problems.

MECH215 Fundamentals of Machine Component Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG154 Engineering Design and Innovation
Co-requisites: ENGG251 Mechanics of Solids
Subject Description: Design and Build Competition requiring team work, concept designs and final solution; design and analysis of fundamental machine components, such as limits and fits, bolted and welded connections, power screws, keys, spur and helical gears, brakes, clutches, bearings and failure theories for static and cyclic load conditions.

MECH226 Machine Dynamics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH188 or MATH142 or MATH162 and ENGG152
Co-requisites: None
Subject Description: Dynamics of rigid bodies and simple mechanisms in plane motion, kinematic analysis by vector and polygon methods, velocity analysis by instantaneous centres; kinetic analysis by superposition vector and force polygon methods, matrix method, method of virtual work; energy distribution method; kinematics of cam profiles; balance of rotors; introduction to CAD mechanism design; synthesis of a mechanism.

MECH252 Engineering Experimentation and Thermodynamics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG101
Co-requisites: None
Exclusions: MECH152
Subject Description: This subject is designed to provide students with a range of knowledge and skills including: the understanding and use of the First and Second Laws of Thermodynamics in processes and machines and how they relate to the issue of energy efficiency and sustainability; use of advanced spreadsheet programming to analyse experimental and numerical data; mode of operation and applications of sensors and transducers; laboratory experimental methods, data analysis and safe working practices.

MECH311 Mechanical Engineering Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH215 Fundamentals of Machine Component Design
Co-requisites: None
Subject Description: Fatigue design including combined stresses, fracture mechanics and material selection. Contact stresses. Application of current design codes (eg for shaft design and rating helical and spur gears). Case studies incorporating cost estimation and evaluation, and project management. Students are required to analyse and propose solutions for a typical engineering problem drawn from the local industry. The solution would normally involve a combination of innovative thinking and an integration of analysis tools provided in this and preceding subjects. A site visit is normally incorporated to clarify the link between the analytical work and the application to a real problem.

MECH321 Dynamics of Engineering Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH283 Mathematics IIE for Engineers Part 1
Co-requisites: MECH226 Machine Dynamics
Subject Description: Derivation of system equations for mechanical, electrical, thermo-dynamic and fluid-dynamic systems; analysis of linear, transverse and torsional vibration of mechanical systems; system classification; linearisation of system equations; linear time-invariant differential equations using transfer function representation analysis of system response in the time and frequency domain; simulation of dynamic systems.

MECH340 Fluid Dynamics and Heat Transfer for Mechatronics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH142 or MATH188
Exclusions: MECH440
Subject Description: This subject is designed to introduce elementary fluid mechanics and heat transfer concepts to mechatronic engineers. The topics include fluid properties, hydrostatics, manometry, Bernoulli's, mass, energy and momentum equations, fluid flow in pipes and their applications, dimensional analysis, heat conduction, convection and radiation and analysis of situations involving heat transfer in the field of mechatronics.

MECH341 Thermodynamics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: ENGG252 Engineering Fluid Mechanics
Subject Description: Properties of pure substances; first law of thermodynamics, closed systems, control volumes; second law of thermodynamics; entropy; second law analysis of engineering systems; power and refrigeration cycles; mixtures; psychrometrics and basic air conditioning.

MECH343 Heat Transfer and Aerodynamics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG252 Engineering Fluid Mechanics
Co-requisites: None
Subject Description: One and two dimensional heat conduction; forced convection; heat exchangers; radiation; boundary layer flows; flow around immersed bodies; one dimensional compressible flow with and without heat transfer; normal shock waves; compressible flow in pipes.

MECH365 Control of Machines and Processes

Spring Wollongong On Campus
Credit Points: 6

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Pre-requisites: MATH284 or MECH201 and MECH321
Co-requisites: None
Subject Description: Classical control system analysis and design concepts: transient response, steady-state error analysis, frequency domain analysis, root-locus controller design methods and frequency domain controller design methods; PLC programming.

MECH372 Solids Handling and Process Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH215 Fundamentals of Machine Component Design
Co-requisites: ENGG252 Engineering Fluid Mechanics
Subject Description: An overview of bulk materials handling. Introduction to characterisation of bulk solid materials, gravity flow in hoppers and chutes, feeding and discharge devices, mechanical conveying, pneumatic conveying, dust control and dust explosions, and instrumentation and control for materials handling systems.

MECH378 Sustainable Energy Technologies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG252 - Engineering Fluid Mechanics or MECH440 Fluid Dynamics and Heat Transfer for Mechatronics
Co-requisites: None
Subject Description: This subjects covers a number of Sustainable Energy Technologies including the following: solar thermal systems; photovoltaics; wind energy; hydroelectricity generation; wave power systems; biomass; remote area power supplies; energy conservation/auditing.

MECH382 Manufacturing Engineering Principles

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH215 Fundamentals of Machine Component Design and ENGG153 Engineering Materials
Co-requisites: None
Subject Description: This course introduces students to the basic principles of manufacturing engineering. Topics include an overall perspective on manufacturing; life-cycle and environmental factors; interactions between product design, materials and manufacturing processes; machining processes; metal cutting theory and machinability; joining and assembly processes; computers in manufacturing, NC/CIM/FMS/IMS; introduction to component handling and industrial robotics; basic metrology and geometric tolerancing; process capability and quality control; machining economics; overview of non-conventional processes and advanced manufacturing trends.

MECH409 Micro/Nano Robotic Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: An overview of manipulation systems, comparison of macro-micro-nano worlds, micro/nano mechanics, actuation, sensing, design, manufacturing/fabrication, control and calibration issues in micro/nano robotic systems, examples of micro/nano robotic systems and their application areas.

MECH417 Biomedical Engineering

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The course outline is divided into seven broad sections: 1. Provides pertinent background information on static analysis and dynamic motion of human structures, body replacements parts, sporting activities and exercises using basic mechanics. 2. Describes anatomy of the human body parts to make students familiar special vocabulary. 3. Considers muscle structure and function using muscle mechanics which looks into factors affecting muscle function. 4. Uses measurement techniques including strain rosette, EMG and catscan. 5. Involves ergonomic evaluation of manual handling operation, back pain and shoulder injury as well as design of ergonomic tools. 6. Presents use of smart or advanced materials for body replacement parts. 7. Focuses on biofluid using circulation through arteries, based on fundamental principles of fluid mechanics.

MECH418 Mechanical Behaviour of Engineering Materials

Not on offer in 2008
Credit Points: 6
Pre-requisites: ENGG251 Mechanics of Solids
Co-requisites: None
Subject Description: Review of the various forms of mechanical behaviour of materials. Development of tensorial stress, strain and elasticity. Physical basis for general materials behaviour and mathematical representation using constitutive equations for non-linear elasticity, plasticity, viscoelasticity and creep. Experimental and analytical approach to solutions of limit analysis for forming, ductile fracture and brittle fracture. Mechanisms of fatigue, friction and internal damping. Applications to engineering problems in product design, manufacturing operations, and reliability assessment.

MECH419 Finite Element Methods in Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG251Mechanics of Solids and MECH201 Engineering Analysis
Co-requisites: None
Subject Description: Review of solid mechanics fundamentals and of matrix algebra. Elementary derivation of finite element methods by variational principles, Galerkin method, and Rayleigh-Ritz technique. Finite element interpolation functions; natural and isoparametric coordinates. Derivation of stiffness matrix for selected one-, two-, and three-dimensional elements. Derivation of strain-displacement relations and calculation of element stresses. Assembly and solution of system matrices; application of constraints and local coordinate systems. Introduction to structural dynamics and vibration problems, mesh generation, and finite element software in engineering applications.

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MECH420 Engineering Stress Analysis

Not on offer in 2008
Credit Points: 6
Pre-requisites: ENGG251 Mechanics of Solids and MECH201 Engineering Analysis
Co-requisites: None
Subject Description: Introduction to the theory of elasticity in rectangular and curvilinear coordinates. Solution of elementary problems in plane stress and plane strain using Airy's stress function. Thermoelasticity. Elementary theory of plates and shells. Classical and numerical techniques for solution of boundary value problems.

MECH421 Manufacturing Process Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH382 Manufacturing Engineering Principles
Co-requisites: None
Subject Description: Comparative Process Analysis for Rolling, Casting, Forging & Forming; Steel Rolling Technology & Analysis; Metals vs. Plastics Processing;

MECH422 Design and Analysis of Manufacturing Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: MECH382 Manufacturing Engineering Principles
Co-requisites: None
Subject Description: Basic concepts and ideas of systems study with particular reference to their use in a manufacturing environment. Categories of manufacturing systems. Principles of the structure and operations of manufacturing systems and their elements (including the human component) especially those systems applied in discrete manufacturing. Techniques of systems analysis including computer simulations. Frameworks for applying systems analysis techniques to the design and analysis of advanced manufacturing systems including intelligent manufacturing systems and those associated with achieving enterprise integration, agile manufacturing and virtual enterprises. Plant layout and facility planning. Case studies and project work involving the design and analysis of advanced manufacturing systems.

MECH423 Design for Manufacturing

Not on offer in 2008
Credit Points: 6
Pre-requisites: MECH382 Manufacturing Engineering Principles
Co-requisites: None
Subject Description: Introduction to concurrent engineering; application and benefits; concurrent engineering applied to product development, product design, manufacturing process design, and manufacturing systems design; application of engineering tools including CAD, CAM, CAPP and rapid prototyping; design for machining, forming, casting, welding and assembly concepts; design efficiency; industrial ergonomics. General planning concepts in manufacturing; CAD/CAM and CIM/FMS.

MECH424 Managing Manufacturing Activities

Not on offer in 2008
Credit Points: 6
Pre-requisites: MECH382 Manufacturing Engineering Principles
Co-requisites: None
Subject Description: The problem of designing and managing a manufacturing activity, scope of manufacturing activities, demand forecasting, product design, capacity planning, scheduling, quality management, maintenance management, safety management, financial management, performance measurement, project presentation and reflection.

MECH426 Storage and Flow of Bulk Solids

Not on offer in 2008
Credit Points: 6
Pre-requisites: MECH372 Bulk Solids Handling Technology
Co-requisites: None
Subject Description: Characterisation of bulk solids and principles of granular flow; measurement and application of flow properties; bin and hopper flow patterns and geometries; chute design; flow rate predictions of course and fine powders; feeders and dischargers; bin wall pressures; mixing and segregation; case studies.

MECH427 Mechanical Conveying of Bulk Solids

Not on offer in 2008
Credit Points: 6
Pre-requisites: MECH372 Bulk Solids Handling Technology
Co-requisites: None
Subject Description: Design, application and characteristics of mechanical conveyors including belt, screw, cable rope way, cable and disk, chain, vibratory and elevating conveyors; unit handling; Standards; safety and case studies.

MECH428 Pneumatic Conveying and Dust Control

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH372 Bulk Solids Handling Technology
Co-requisites: ENGG252 Engineering Fluid Mechanics
Subject Description: Basic components of pneumatic transport systems; Modes of conveying; Models to predict conveying parameters; Dense-phase suitability; Conveying characteristics and scale-up procedures; Dust control health and safety requirements; Dust characterisation; Design and operating parameters for dust control systems; Duct networks.

MECH429 Physical Processing of Bulk Solids

Not on offer in 2008
Credit Points: 6
Pre-requisites: MECH372 Bulk Solids Handling Technology
Co-requisites: None
Subject Description: Bulk solids description and characterisation; process flow sheets; unit operation characteristics and power requirements: solid-solid,

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liquid-solid and gas-solid and multiphase-solid processes; batch, continuous or intermediate processing and handling; control and instrumentation; case studies

MECH430 Automotive Dynamics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH321 Dynamics of Engineering Systems
Co-requisites: MECH365 Control of Machines and Processes
Subject Description: Introduction, dynamics associated with acceleration, braking, cornering and rollovers; occupant comfort and response; dynamics of multi-mode mechanical systems; component characteristics and interactions including cabin, chassis, steering and suspensions.

MECH431 Computational Fluid Dynamics

Not on offer in 2008
Credit Points: 6
Pre-requisites: ENGG252 Engineering Fluid Mechanics and MECH201 Engineering Analysis
Co-requisites: None
Subject Description: Introducing the finite difference and finite volume methods for computational fluid dynamics. Explicit and implicit methods for computation. Stability analyses. Validation of computational results. Analysis of engineering systems involving incompressible and compressible flow of fluid.

MECH438 Fluid Power

Not on offer in 2008
Credit Points: 6
Pre-requisites: ENGG252 Engineering Fluid Mechanics
Co-requisites: MECH365 Control of Machines and Processes
Subject Description: Characteristics of fluid power components for the provision of power and/or control in machines and mechatronic systems. Synthesis of systems, integration with Programmable Logic Controller (PLC) units and remote controllers. Industrial applications of fluid power, design application, case study.

MECH439 Special Topics in Mechatronics

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: There is no set syllabus for this subject. It is intended to be offered normally on a specialised mechatronics topic given by members of the Faculty, visiting academic staff or engineering consultants.

MECH442 Sustainable Energy in Buildings

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Fundamental principles of the performance of buildings with particular regard to thermal comfort and ventilation; analysis and design of conventional air conditioning systems to appropriate Australian Design Standards; passive solar design of buildings; energy conservation in buildings; embodied energy in buildings; natural ventilation systems; and refrigeration systems.

MECH468 Computer Control of Machines and Processes

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH321 Dynamics of Engineering Systems
Co-requisites: MECH365 Control of Machines and Processes
Subject Description: State-variable modelling; design of state variable feedback systems, controllability, observability, optimal control, pole placement using state feedback, internal model design; digital control systems, z-transform, stability analysis in the z-domain; performance and robustness of closed loop computer controlled systems, implementation aspects.

MECH474 Reliability Engineering

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Provides an introduction to Reliability-Availability-Maintainability (RAM) Engineering techniques applicable through the asset Life Cycle. Examines Requirements Analysis, Reliability Growth Modelling, Analysis of Design, Systems Engineering, Safety Assessment, Logistic Support Analysis and sparing, Testing and Performance Evaluation, Installation Procedures and Operating Environments, Asset Management, Disposal, Asset Purchase/Replacement Policies and Decision-making.

MECH479 Sustainable Transport and Engine Technologies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MECH341 Thermodynamics and MECH226 Machine Dynamics
Co-requisites: None
Subject Description: Human powered transport; conventional and novel engine technology design, analysis and evaluation; strategies for reducing emissions; fuel supplies and alternative fuels; electric and hybrid vehicles; solar vehicles; fuel cells.

MECH481 Special Topics in Mechanical Engineering 1

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: There is no set syllabus for this subject. It is intended to be offered normally on a specialised mechanical engineering topic given by members of the Department, visiting academic staff or engineering consultants.

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MECH482 Special Topics in Mechanical Engineering 2

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: There is no set syllabus for this subject. It is intended to be offered normally on a specialised mechanical engineering topic given by members of the Department, visiting academic staff or engineering consultants.

MECH487 Systems Analysis for Maintenance Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH283 Mathematics 2E for Engineers Part 1
Co-requisites: None
Subject Description: Maintenance Requirements Analysis Methodology, Qualitative Methods of Failure Mode Identification, Reliability Theory for Systems, Reliability Data Analysis, Preventive Replacement Policies, Selection of Inspection Intervals, Grouping of Maintenance Actions, Repair/Replace Decisions, Practical considerations in Maintenance Requirements Analysis, Auditing Maintenance Requirements Analysis outcomes.

MECH488 Introduction to Condition Monitoring in Mechanical Engineering

Not on offer in 2008
Credit Points: 6
Pre-requisites: MECH226 Machine Dynamics
Co-requisites: None
Subject Description: Introduction to Condition Based Maintenance (CBM); Tribology and Condition Based Maintenance; Condition Monitoring using Signal Diagnostics; CBM of Bearings, Pumps, Fans, Motors, Gearboxes, Hydraulic and Electrical Equipment; Failure Case Studies and Issues in Implementation; Artificial Intelligence in Condition Monitoring.

MECH489 Engineering Asset Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides context for all of the aspects of engineering asset management. It establishes the nature of the overall activity and sets up links to the knowledge areas of strategic management, managerial finance, engineering analysis and information technology. In some ways it provides the context for engineering asset management. Further, it explores some of the basic asset management processes, particularly life-cycle and risk management. Framework, context and history of asset management, Strategic management and engineered asset management in context. Application/adaptation of basic tools; costs and benefits of lifecycle management available models and standards; Possible uses of models Business drivers; Legal requirements; Quality systems and configuration and documentation management; Interfaces with other functions (departments and organizations).

MINE311 Surface Mining and Blasting

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Surface mining operations; alluvial mining, hydraulic mining, and dredging; strip mining of bedded deposits, surface mining of massive deposits, quarrying. Loading and transport of rocks and minerals. Drilling and blasting. Classification of explosives used in mines. Properties of explosives. Theories of detonation and blasting. Initiation of explosives. Blasting accessories. Systems of firing and blast design. Controlled blasting. Noise and vibration. Storage, transport and handling of explosives. Misfires and accident prevention. Regulations.

MINE312 Mine Ventilation

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Mine air; pressure, temperature and humidity, sampling. General principles of ventilation; natural and artificial ventilation. Fans; axial and centrifugal. Fan characteristics and operations. Fan combinations and analysis. Booster and auxiliary fans. Ventilation surveying and planning. Network analysis. Application of computers to mine ventilation. Heat in mines, its physiological and psychological effects. Mine air conditioning and refrigeration. Elements of mine thermodynamics. Ventilation. Laboratory experiments.

MINE321 Underground Metal Mining

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Underground Metalliferous ore deposit development, mining methods for regular and irregular deposits; open and supported stoping, sub level stoping, VCR, cuts and fill stoping, shrinkage stoping, block caving. Blasting and stope ventilation , Mechanisation to include drilling machines, LHD, track and Trackless transport. Pumps and Compressors, regulations and field visits.

MINE323 Mining Geomechanics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Mechanical properties of rock, insitu properties of rock mass, index properties of rocks, pre-miming state of stress. Stress distribution around underground openings. Excavation design in massive elastic rock, stratified rock and jointed rock. Support and reinforcement - pillar design, rock bolting systems, passive support systems, longwall powered supports and mine backfill. Surface

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subsidence and methods of limiting damage due to subsidence. Rock bursts and bumps. Monitoring rock mass performance. Laboratory experiments.

MINE411 Health & Safety in Mines

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MINE221 Underground Coal Mining, MINE311 Surface Mining and Blasting, MINE321 Underground Metal Mining
Co-requisites: None
Subject Description: Gases in mines - firedamp emission and control, layering of mine gases. Spontaneous combustion. Dust and dust suppression. Fires and explosions. Measurement and control of noise. Rescue and recovery. Government regulations - coal and metalliferous mine regulations and acts, occupational health and safety act. Legal aspects of mining lease and legal responsibilities of mining engineers. Safety and accident avoidance. Optimising production without compromising safety.

MINE412 Mining Economics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Valuation of mineral properties and mining prospects: global and local block reserves by traditional methods. Interaction of grade, tonnage, mining recovery and mining method. Introductory geostatistics. Project evaluation techniques: cash flow models, mineral taxation, tariffs, smelter agreements and accounting for inflation and risks. Marketing of mineral commodities.

MINE421 Minerals Benefication

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject is designed to provide students with detailed knowledge of the art of processing raw minerals to yield marketable products using physical, chemical and electro-magnetic techniques. The course contents will cover: Metallic and non-metallic ore, process flow charts and unit operations, sampling systems, slurry streams and mass balancing, concentration and recovery, net smelter return, particle size analysis, liberation and comminution, crushing and grinding, screening, classification, gravity concentration, flotation, dewatering, tailings disposal and industrial re-use. The lectures and tutorials will be complemented with laboratory tests, project work and a field trip.

MINE422 Mine Planning and Development

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Each student will be given basic information of a mining prospect including borehole data, surface topography and projected output. The student will be required to submit a comprehensive report of the mine project together with appropriate plans.

MINE431 Mine Water

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Origin and hydro-geological aspects of mine water. Salinity problems. Acid mine drainage. Drainage in open pit mines. Drainage control in underground mine. Mine drainage design and calculations. Elements of tailings dam construction. Pollution case histories.

MINE433 Geostatistical Ore Reserve Estimation

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Review of statistical measures, outliers, and the desirable properties of an estimator. Basic concepts: regionalised variables, stationarity and intrinsic hypothesis. Variograms and structural analysis: calculation and interpretation experimental variograms and fitting theoretical models. Use of volume variance relationships. Estimation variance: sampling programs, optimal drill hole positions. Theory and practice of kriging: estimation at grid node and over block, total, and average grade. Recoverable reserves.

MINE434 Special Topics in Mining Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised mining engineering topic given by members of the Department or visiting academic staff or engineering consultants.

MINE438 Environmental Impact of Mineral Operations

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Environmental impact of surface and underground mining - visual impact assessment, air pollution, noise and vibration. Waste solids management, water pollution and acid drainage. Restoration of mine sites, land use, subsidence and socio-economic effects of mining. Field Visits.

NANO101 Current Perspectives in Nanotechnology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject consists of a series of case studies from the main application areas of nanotechnology (electronics, micro- and nano-electromechanical systems; biomimmetics; nanostructured materials) illustrating the reasons why

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the nano-dimension offers advantages. Each case study will provide an overview of the importance of design, synthesis and characterisation in the realisation of the end-products. Guest lectures, web resources and tours of nanotechnology laboratories will be a feature as will demonstrations of the synthesis and characterisation of nano-materials (eg. AFM and nano-manipulation).

NANO201 Research Topics in Nanotechnology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: NANO101
Co-requisites: None
Subject Description: The subject consists of a series of case studies illustrating the development of understanding of materials behaviour at the nano-dimension; the methods for preparing nano-scale materials and the design, fabrication and testing of nano-devices. Emphasis in this subject is on the nanoscience and how the basic studies in chemistry, physics and materials provides the basis for understanding the current research in nanotechnology. A feature will be the laboratory demonstration of specific nano-phenomena (eg. tuned optical absorbance of nanoparticles).

NANO301 Research Topics in Nanomaterials

Autumn Wollongong On Campus
Spring Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: NANO201
Co-requisites: None
Subject Description: Students will carry out a research project within a Materials based research group under the supervision of one or more members of staff. A list of possible projects will be provided and students will give a number of preferences. This includes work with the Intelligent Polymers Research Institute (IPRI) or the Institute for Superconducting and Electronic Materials (ISEM). The research is equivalent to about 120 hours lab time plus analysis, and report writing.

NANO401 Honours Project in Nanomaterials/ Nanotechnology

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: NANO301
Co-requisites: None
Subject Description: Students will carry out a research project within a Materials based research group under the supervision of one or more members of staff. A list of possible projects will be provided and students will give a number of preferences. Students write a major thesis based on their work that is examined by two independent examiners.

PHYS132 Physics for the Environmental and Life Science B

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: not to count for credit with: PHYS142 OR PHYS143 OR PHYS145
Subject Description: This course introduces the physical principles underlying the uses of light, lasers and radar measurement in remote sensing as well as the assessment of nuclear-radiological hazards. It covers topics in wave phenomena, principles of electrical measurements, atomic and molecular physics and nuclear physics with an emphasis on the physical principles involved and examples drawn from the biosciences.

PHYS141 Fundamentals of Physics A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Vectors; vector algebra; motion in one dimension; motion in a plane; particle dynamics; work and energy; conservation of energy; conservation of momentum; collisions; rotational kinematics; rotational dynamics; conservation of angular momentum; equilibrium of rigid bodies; simple harmonic motion; gravitation; elasticity; temperature; heat and the first law of thermodynamics; kinetic theory of gases; entropy and the second law of thermodynamics; fluid statics; fluid dynamics.

PHYS142 Fundamentals of Physics B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Vectors and their applications; an introduction to the physical laws of electricity and magnetism, leading to an explanation of the generation of electromagnetic waves and some basic ideas in communication theory. Electric charge and Coulomb's law, electric fields, potential differences, capacitance, dielectrics and relative permittivity, electric current, resistance, Ohm's

PHYS143 Physics For Engineers

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Vectors and their applications; an introduction to the physical laws of electricity and magnetism, leading to an explanation of the generation of electromagnetic waves and some basic ideas in communication theory. Electric charge and Coulomb's law, electric fields, potential differences, capacitance, dielectrics and relative permittivity, electric current, resistance, Ohm's

PHYS155 Introduction to Biomedical Physics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on an organism as an open thermodynamic system, i.e. a system exchanging energy and matter with its environment, and discusses how the laws of physics limit these exchanges. Topics covered will include: energy, metabolic rates, radiation, conduction, convection and temperature control; static forces in organisms, how organisms move on land; fluid properties, diffusion, osmosis, transport of nutients, introduction to the

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mammalian respiratory and cardiovascular systems; sensory perception, the electromagnetic spectrum, optical systems, sound, ultrasound and the Doppler effect; electric charges, fields, potentials and forces; cell potentials, cell membranes and ion transport.

PHYS205 Advanced Modern Physics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS141 and PHYS142 And MATH142 or MATH162 or MATH188
Co-requisites: None
Subject Description: Special relativity; Lorentz transformations; quantum effects; atomic structure; wave-particle duality; black body radiation; photo-electric effect; bremsstrahlung; Compton effect; X-rays; de Broglie hypothesis, particle diffraction; quantum mechanics; wave packets; uncertainty principle; Schrodinger equation; correspondence principle; particle in a box; wave functions of the hydrogen atom; nuclear particles, decay laws; binding energy; nuclear reactions; fission and fusion; statistical distribution functions; energy bands; impurity states; p-n junction and transistor.

PHYS206 Project in Physics

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: Normally performance in 100-level Physics and Mathematics subjects at the level of distinction or better
Co-requisites: None
Subject Description: Option 1 and Option 2 Dbl (A)/Aut/Spr

PHYS215 Vibrations, Waves & Optics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS141 and PHYS142
Co-requisites: MATH202 OR MATH283 OR MATH291
Subject Description: Simple harmonic motion; two body oscillations; damped harmonic oscillator; power dissipation; quality factor; driven harmonic oscillator; superposition principle; Fourier analysis; Huygens' principle; reflection and refraction; wave motion; sinusoidal waves; group velocity; dispersion; Young's experiment; interference; coherence; Stokes' treatment of reflection and refraction; interference; standing waves; Fabry-Perot interferometer; Michelson interferometer; Fourier spectroscopy; Fresnel diffraction; Fraunhofer diffraction; resolving power; diffraction grating; holography; polarization of waves; double refraction; interference of polarized light.

PHYS225 Electromagnetism and Optoelectronics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS141, PHYS142, MATH201
Co-requisites: None
Subject Description: Lectures cover, in detail, the fundamental experimental laws of electromagnetism, how these relate to the electrical and magnetic properties of materials and finally lead to the four Maxwell field equations. Plane wave solutions to Maxwells equations in free space and the properties of these waves. Coulomb's and Gauss' laws, potential, capacitance, properties of dielectrics, field calculations, steady currents magnetism, Biot-Savart law, Ampere's law, magnetic properties of materials, Faraday's law, inductance, charge continuity equations, Maxwell's equations, plane waves in free space. The associated electronics laboratory consists mainly of experimental work, combined with some lectures and tutorials, covering the physics of p-n junction diodes and transistors, simple device models, AC theory, transistor amplifiers, operational amplifiers and their use in a variety of elementary circuits (amplifiers, adders, integrators, differentiators).

PHYS230 Intermediate Physics

Not on offer in 2008
Credit Points: 12
Pre-requisites: PHYS141 and PHYS142
Co-requisites: MATH201 and MATH202
Subject Description: Content: As for the subjects PHYS205, PHYS215 and PHYS225.

PHYS233 Introduction to Environmental Physics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is based on a sequence of modules, each of which introduces a key environmental physics theme illustrated using case studies. Students will be introduced to simple systems modelling utilising spread sheet analysis. The key areas studied are: (i) Atmospheric gases and vapours, (ii) Thermal radiation and the environment, (iii) Hydrodynamics of air, water and particulates, (iv) Hydrology of soils and porous materials.

PHYS235 Mechanics & Thermodynamics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS141 and PHYS142
Co-requisites: MATH201
Subject Description: Vector calculus; kinematics of a particle; dynamics of a particle; moving reference systems; central forces; dynamics of a system of particles; mechanics of rigid bodies; Lagrange's Equations. Thermodynamic systems; equations of state; work; the first law of thermodynamics and its consequences; the second law of thermodynamics; entropy; combined first and second laws; thermodynamics potentials; applications of thermodynamics; kinetic theory of the ideal gas; molecular velocity distribution.

PHYS255 Radiation Physics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS141 and PHYS142
Co-requisites: None
Subject Description: Different types of radiation; Interaction between radiation and matter; Nuclear reactor and particle accelerator based applications in biology, medicine and physics; Nuclear reactions and the production of radioisotopes; Nuclear instrumentation; Application of radio-isotopes in biology, chemistry, medicine and physics; Use of neutrons in biology, chemistry, physics and in industry.

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PHYS262 Vibrations and Waves

Spring Wollongong On Campus
Credit Points: 3
Pre-requisites: PHYS141 and PHYS142
Co-requisites: MATH202 or MATH283 or MATH291
Exclusions: Cannot count with PHYS215 Vibration, Waves and Optics
Subject Description: a. Background to vibrations including: Simple harmonic motion; two body oscillations; damped harmonic oscillator; power dissipation; quality factor; driven harmonic oscillator; superposition principle; Fourier analysis. b. Background to wave motion and their interactions including topics on: wave motion; sinusiodal waves; Huygens' principle; reflection and refraction; group velocity; dispersion.

PHYS263 Photonics and Communications

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS141 and PHYS142
Co-requisites: MATH202 or MATH283 or MATH291
Exclusions: PHYS215 Vibrations, Waves and Optics
Subject Description: The subject will consist of the following modules: 1. Electromagnetic waves: Waves and photons 2. Geometric optics 3. Interference: Amplitude and Wavefront Division 4. Fraunhofer and Fresnel Diffraction: Fourier Optics 5. Diffraction Gratings and Interferometers: Spectrometers 6. Coherence 7. Lasers 8. Fibre Optics 9. Detectors

PHYS295 Astronomy - Concepts of the Universe

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject takes a non-mathematical approach to Astronomy. No prior knowledge of physics is required to do the subject. This course will illustrate the techniques used by astronomers and will attempt to give an understanding of the universe as we presently understand it. The use of telescopes will give the opportunity to observe the phenomena discussed. The development of astronomy; the planets; the formation of the solar system; the sun as a star; the message of starlight; the visible stars; the birth and death of stars; telescopes, big and small; the milky way; the universe of galaxies.

PHYS305 Quantum Mechanics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS205 or PHYS230
Co-requisites: None
Subject Description: The course is an introduction to the wave mechanical theory of quantum mechanics and some applications to simple systems. Probability, the Wave Function, Schrodinger's equation in one dimension, normalisation, expectation values, operators. The time-independent Schrodinger equation, application to various potential functions, tunnelling. QM in three dimensions, degeneracy, the hydrogen atom. Time independent perturbation theory, angular momentum and spin, identical particles; atoms, solids and quantum statistics.

PHYS306 Project in Physics

Annual Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Normally performance in 200-level Physics and Mathematics subjects at the level of distinction or better
Co-requisites: None
Subject Description: Option 1 and Option 2 Dbl (A)/Aut/Spr

PHYS325 Electromagnetism

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS225 or PHYS230
Co-requisites: None
Subject Description: Starting with the Maxwell field equations, the course examines the properties of electromagnetic waves in free space, non-conducting and conducting materials, waveguides and plasmas. Reflection and refraction, particularly total internal reflection, are covered in detail. The generation of electromagnetic waves by accelerating charge is treated via the Lienard - Wiechert potentials and Feynman's equation. Revision of charge continuity, Maxwell's equations, boundary conditions. EM waves in free space and materials. Reflection and refraction, Snell's law and the Fresnel equations, total internal reflection and evanescent waves. Waveguides, TE and TM modes, cut off frequency. Generation of EM waves, Lienard-Wiechert potentials, Feynman equation and its application to simple systems: far-field dipole and synchrontron radiation fields.

PHYS335 Classical Mechanics

Not on offer in 2008
Credit Points: 6
Pre-requisites: PHYS235
Co-requisites: None
Subject Description: Theoretical mechanics: holonomic constrains, d'Alembert's principle and Lagrange's equations; generalised potentials; variational approach and Hamilton's principle; symmetry and conservation laws; central force problem; Hamiltonazin formulation of mechanics; principle of least action; canonical transformations; Poisson brackets; canonical invariants; Liouville's theorem; Hamilton-Jacobi theory; action-angle variables; classical field theory; Noether's theorem. Electromagnetism: Poisson and Laplaces' equations; Green's theorem; uniqueness of solution in electrostatics; Green's functions; method of images; separation of variables and orthogonal expansions for boundary value problems; multipoles; dielectrics; magnetostatics; time-dependent fields; gauge transformations; time-dependent Green's function; Poynting vector; Maxwell stress tensor; plane electromagnetic waves in media and at dielectric interfaces; frequency dependence of dielectric response; Kramer-Kronig relations; waveguides; radiating systems and diffraction.

PHYS356 Physics of Detectors and Imaging

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: PHYS452 Medical Imaging
Subject Description: Topics covered will include: *

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The photographic process, solid state detectors and CCDs. * The characterisation of detectors; signal to noise, sensitivity, calibration, flat fields and reduction techniques. * The software and hardware of image processing; film digitisers and plate scanners. * Sources of diagnostic X-rays. * Computer tomography, instrumental set up, image definition, back projection, signal to noise, CT numbers, contrast CT and radiotherapy. * Nuclear magnetic resonances, Larmor frequency, basic imaging, slice selection, phase and frequency encoding, spin echoes, TE and TR relaxation times.

PHYS363 Advanced Photonics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS263 Photonics and Communication and 1 subject of 200-level Mathematics or PHYS215
Co-requisites: None
Subject Description: Content: Optical Design and Fabrication, Light Sources and Lasers, Photonic Materials, Quantum optics and Nanostructures, Opto-mechanical and Electro-optical Devices, Materials Diagnostics, Advanced Metrology

PHYS365 Detection of Radiation: Neutrons, Electrons and X Rays

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS205 or PHYS230 or PHYS255
Co-requisites: None
Subject Description: Cylindrical and parallel plate ionisation chambers and their optimised design. Absolute dose calibration protocols and the relative dose concept. Semiconductor detectors and their response to radiation. Thermoluminescent dosimeters - their properties, types and advantages. Film dosimetry - the principles of radiation film exposure and non-linearity of film response, EPR dosimetry and chemical dosimetry.

PHYS366 Physics of Radiotherapy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is intended to lead to an understanding of the techniques involved in diagnostic and therapeutic uses of radioactive isotopes in medicine. Topics covered will include: A review of homoeostasis and cellular functions, epidemiology of disease; abnormal cell growth; benign and malignant tumours; cell kill; introduction to particle accelerators; medical linear accelerators; the interaction properties of X-rays and electrons; clinical radiotherapy, linear accelerator x-ray and electron beam properties; the radiotherapy computer planning process, x-ray modelling methods and brachytherapy and radiosurgery.

PHYS375 Nuclear Physics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS215 And PHYS225 And PHYS235 And PHYS305
Co-requisites: None
Subject Description: Topics presented will be selected from: 1.nuclear characteristics: radius, charge, mass, composition, energy levels, angular momentum, 2.nuclear models: liquid drop, semi-empirical and shell models 3.nuclear interactions and the compound nucleus 4.radioactive decay including alpha, beta and gamma emission 5.fission and chain reactions 6.fission reactors and radioactive waste 7.nuclear fusion and stellar nuclear processes 8.particle accelerators 9.elementary particles: protons to quarks

PHYS376 Nuclear Fuels Cycle

Not on offer in 2008
Credit Points: 6
Pre-requisites: PHYS205
Co-requisites: PHYS305 and PHYS375
Subject Description: The subject will be developed around powerpoint lectures, presentations and discussions dealing with the main topics. Practical work will be undertaken in the 300-level Physics Teaching Laboratories, ANSTO. Review of nuclear decay, activation cross-sections, binding energies and fission processes; The fuel cycle-overview; Uranium mining and refining; Separation processes - laser, centrifuge, atomic beam, diffusion; Fuel rod design and assembly; Fission reactor design-theory; Fission reactors in practice - heat exchange, moderation, control rods etc; Fusion reactors-theory; Nuclear power generation(Carnot cycle etc) thermal pollution; other uses for nuclear reactors; Nuclear waste - low level, mid level and high level disposal; Contamination by airborn and water born radioactive isotopes; Radiation monitoring and OH&S with application to mining, reactors and disposal of radioactive isotopes.

PHYS385 Statistical Mechanics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS235
Co-requisites: None
Subject Description: Content: Review of thermodynamics, quantum statistical mechanics; sharply peaked distributions, ensembles; entropy and temperature; the chemical potential; Gibbs and Boltzmann factors - partition functions; fluctuations; pressure and thermodynamic identity; Boltzmann definition of entropy; identical particles - fermion and boson distribution functions; applications to electrons in metals; blackbody radiation and Debye theory of vibrations in solids; classical limit of the quantum distribution functions; monatomic ideal gas; Maxwell-Boltzmann velocity distribution; kinetic theory; transport processes.

PHYS390 Astrophysics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: PHYS205
Co-requisites: None
Subject Description: Two strands will be presented on alternate years 1. Observational Astrophysics- Modern observational astrophysics involves observing across a wide range of wavebands from the X-ray and Gamma Rays through visible light and into the infrared and radio. To do this requires a broad understanding of optics, detector physics, astronomical database and analysis software. 2. Theoretical Astrophysics- Key topics will be selected from: Cloud collapse, Star formation and radiative transfer, Main sequence stellar models, Stellar evolution, Galaxy evolution, Cosmology

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PHYS396 Electronic Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Assumed knowledge PHYS205
Co-requisites: None
Subject Description: The nature of electronic materials. Electrons in solids, band theory: insulators, conductors, semiconductors and superconductors. The free and nearly free electron theories. Electrical conductivity, Hall effect. Types of magnetic materials. Semiconductors - intrinsic, extrinsic, the hole, the p-n junction. Superconductors - phenomena, BCS theory. Production of semiconductors and superconductors, control of processing to achieve desired properties. Design and production of novel materials to achieve improved performance in electronic devices; modern applications.

PHYS401 Theoretical Mechanics & Electromagnetism

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: The main programs in physics at 400-level are directed toward the Honours BSc qualification and BMedPhys. Full time Honours BSc students will normally enrol in PHYS405. Honours BMedPhys students will enrol in the Bachelor of Medical Physics program.
Co-requisites: None
Subject Description: Theoretical mechanics: holonomic constrains, d'Alembert's principle and Lagrange's equations; generalised potentials; variational approach and Hamilton's principle; symmetry and conservation laws; central force problem; Hamiltonazin formulation of mechanics; principle of least action; canonical transformations; Poisson brackets; canonical invariants; Liouville's theorem; Hamilton-Jacobi theory; action-angle variables; classical field theory; Noether's theorem. Electromagnetism: Poisson and Laplaces' equations; Green's theorem; uniqueness of solution in electrostatics; Green's functions; method of images; separation of variables and orthogonal expansions for boundary value problems; multipoles; dielectrics; magnetostatics; time-dependent fields; gauge transformations; time-dependent Green's function; Poynting vector; Maxwell stress tensor; plane electromagnetic waves in media and at dielectric interfaces; frequency dependence of dielectric response; Kramer-Kronig relations; waveguides; radiating systems and diffraction.

PHYS405 Honours in Physics

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: Completion of a 144 cp BSc degree which includes PHYS305, PHYS325, PHYS335, PHYS375, PHYS385, PHYS390 and PHYS396 (or equivalent). These subjects are to be passed at the level of credit or better.
Co-requisites: None
Subject Description: Includes: Honours Project, Coursework Program, Electromagnetism, Quantum Mechanics, Astrophysics, Solid State Physics.

PHYS441 Advanced Astrophysics

Spring Wollongong On Campus
Credit Points: 4
Pre-requisites: The main programs in physics at 400-level are directed toward the Honours BSc qualification and BMedPhys. Full time Honours BSc students will normally enrol in PHYS405. Honours BMedPhys students will enrol in the Bachelor of Medical Physics program.
Co-requisites: None
Subject Description: Two strands will be presented on alternate years 1. Theoretical Astrophysics- Key topics will be selected from: Cloud collapse, Star formation and radiative transfer, Main sequence stellar models, Stellar evolution, Galaxy evolution, Cosmology. 2. Observational Astrophysics- Modern observational astrophysics involves observing across a wide range of wavebands from the X-ray and Gamma Rays through visible light and into the infrared and radio. To do this requires a broad understanding of optics, detector physics, astronomical database and analysis software.

PHYS444 Quantum Mechanics

Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: The main programs in physics at 400-level are directed toward the Honours BSc qualification and BMedPhys. Full time Honours BSc students will normally enrol in PHYS405. Honours BMedPhys students will enrol in the Bachelor of Medical Physics program.
Co-requisites: None
Subject Description: Topics to be covered over the two semesters: ¿ Introduction, quantum or classical? ¿ Operators and eigenfunctions ¿ Approximation method (stationary) ¿ Approximation method (time-dependent) ¿ Semiclassical approximation, variational techniques ¿ Linear algebra and matrix mechanics ¿ Scattering theory ¿ Angular momentum ¿ Spin, unitary transformation ¿ Dynamics of two level systems ¿ Quantum dynamics ¿ Identical particles and symmetry ¿ Addition of angular momentum, C-G coefficients ¿ Spin orbit interaction and particle-EM field interaction ¿ Molecules and Born-Oppenheimer approximation ¿ Semiclassical theory of radiation ¿ Intensity of radiation and selection rules ¿ Relativistic quantum mechanics and Dirac equations ¿ Introduction the quantum field theory

PHYS446 Solid State Physics

Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: The main programs in physics at 400-level are directed toward the Honours BSc qualification and BMedPhys. Full time Honours BSc students will normally enrol in PHYS405. Honours BMedPhys students will enrol in the Bachelor of Medical Physics program.
Co-requisites: None
Subject Description: This subject consists of the lecture content of the Solid State Physics section of PHYS405.

PHYS451 Nuclear Medicine

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 cp of third year subjects from the BMedical Physics program including PHYS375 and PHYS255
Co-requisites: None
Subject Description: Content: Evolution and basic physics of radionuclide imaging. Tracer principle in Nuclear Medicine. Radioactive agents or diagnostic studies. Therapeutic radioactive agents. Physiology of

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body organs. Diagnosis of body organ damage - single photon emitters, positron emitters. Technetium generating, instrumentation. Quantification of the radionuclide image. Role of the computer, quality control of Nuclear Medicine studies. Therapeutic Nuclear Medicine, dosimetry principles, waste disposal. I-131, Radiation safety for patients and personnel. Paediatric considerations.

PHYS452 Medical Imaging

Autumn Wollongong
On Campus
Credit Points: 8
Pre-requisites: 24 cp of third year subjects from the BMedical Physics program including PHYS375.
Co-requisites: None
Subject Description: Sources of diagnostic X - rays, computer tomography, instrumental set up, image definition, back projection, signal to noise, CT numbers, contrast, CT and radiotherapy. Nuclear magnetic resonances, Larmor frequency, basic imaging, slice selection, phase and frequency encoding, spin echoes, TE and TR relaxation times, mechanisms of contrast in MRI, multiecho imaging, multi slice imaging, fast imaging, flow imaging. MR angiography, 3D data acquisition, chemical shift imaging, contrast agents, image artifacts and distortion, localised spectroscopy, set up of a clinical MR scanner, safety aspects.

PHYS453 Radiobiology and Radiation Protection

Spring Wollongong
On Campus
Credit Points: 8
Pre-requisites: 24 cp of third year subjects from the BMedical Physics program including PHYS375.
Co-requisites: None
Subject Description: Interaction of radiation with matter, molecular effects of radiation, cell kill, repair of injury, assays of cell survival, the effect of oxygen, effect of chemical and biological modifiers, cell kinetics, tumour cell kill, early and late responding normal tissues, radio biological models, four Rs of radiobiology, time as an important factor, clinical impact in radiotherapy, protons, neutrons and pions. The natural background of radiation, man made sources of radiation, genetic and somatic risks, risks of low dose exposure, quality factor, ‘critical organs’, concepts of radiation protection. ALARA limit values, open and closed sources of radiation, incorporation and bio kinetics of radionuclides, external sources of radiation, pregnancy and radiation, the role of the ICRP, legal aspects.

PHYS456 Imaging Physics

Not on offer in 2008
Credit Points: 8
Pre-requisites: 24 cp in 300-level Physics subjects.
Co-requisites: None
Subject Description: This course leads to an understanding of the instrumentation and techniques involved imaging and its role in medical physics specifically and in physics generally. The photographic process, solid state detectors and CCD's. Characterisation of detectors; signal to noise, sensitivity, calibration, flat fields and reduction techniques. The hardware and software of image processing; film digitisers and plate scanners. An overview of Medical Imaging Techniques; Radiography, Ultrasonics, NMR.

PHYS457 Research Project

Spring2008/Autumn2009 Wollongong
On Campus
Annual Wollongong
On Campus
Credit Points: 24
Pre-requisites: 24 cp of third year subjects from the BMedical Physics or BSc (Physics).
Co-requisites: 24 cp of fourth year subjects from the BMedical Physics or BSc (Honours).
Subject Description: Content: The student will be required to participate in a research program on some topic of physics under the supervision of one of the staff member. The student will have a choice of the following fields: Nuclear Medicine, Medical Imaging, Radiobiology, Radiation Protection, Diagnostic Radiology, Pathology and Imaging Physics, Astronomy, Solid State Physics. All the above research topics may not be available very year.

SCIE101 Modern Perspectives in Science

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Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with SCIE102 or PHYS295
Subject Description: This subject aims to address some of the major topical issues in modern science and their impact on our society as well as demonstrating the value of a cross-disciplinary approach to problem solving. The content is presented in four modules from Physics, Chemistry, Biology and Earth and Environmental Sciences. The topics are: Planetology, Smart Chemistry, Genetic Engineering, and How long? How hot?. Each of the four modules provides examples of areas of science that are currently of widespread interest or importance. The way in which science has been used to solve technological and human problems will be illustrated in each module. The fourth module includes a section on global warming. To demonstrate the need for a collaborative approach when solving major issues, the same problem will be studied from the viewpoint of different disciplines. These modules are examples of current research topics and modules may be interchanged to reflect contemporary topics.

STAT131 Understanding Variation and Uncertainty

Autumn Wollongong On Campus
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Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with COMM121, STAT151, STAT252
Subject Description: Variation and uncertainty occur in most aspects of life. Topics covered include Displaying variation and summarising data; Statistical computing and report writing; Probability Models: Markov Chains, binomial, Poisson; Modelling Uncertainty:

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Normal and other continuous distributions; Sampling Distributions - Central Limit Theorem; Inference - Point and Interval Estimation, Hypothesis Testing.

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Faculty of Health and Behavioural Sciences

Member Units

School of Health Sciences
School of Nursing, Midwifery and Indigenous Health
School of Psychology
Graduate School of Medicine

Degrees Offered

Single Degrees

Bachelor of Arts
Bachelor of Exercise Science & Rehabilitation
Bachelor of Health Science in Indigenous Health Studies
Bachelor of Health Sciences
Bachelor of Nutrition and Dietetics
Bachelor of Medical Science
Bachelor of Medicine and Bachelor of Surgery
Bachelor of Nursing
Bachelor of Nursing Conversion
Bachelor of Psychology
Bachelor of Science

Double Degrees

Bachelor of Medical Science - Bachelor of Commerce
Bachelor of Psychology – Bachelor of Commerce
Bachelor of Science (Exercise Science) - Bachelor of Commerce
Bachelor of Science (Nutrition) - Bachelor of Commerce
Bachelor of Science (Psychology) - Bachelor of Commerce
Bachelor of Science (Health and Behavioural Sciences Major) - Bachelor of Laws
Bachelor of Medical Science - Bachelor of Laws

Degrees with TAFE NSW

Bachelor of Health Science in Indigenous Health Studies
(includes TAFE Advanced Diploma in Aboriginal and Torres Straight Islander Health)
Bachelor of Medical Science / TAFE Diploma of Laboratory Techniques (Pathology Testing)
Bachelor of Nutrition and Dietetics / TAFE Certificate IV in Hospitality (Catering Operations)
Bachelor of Science (Nutrition) / TAFE Certificate IV in Hospitality (Catering Operations)
For tuition fee information please see the following:
Domestic - www.uow.edu.au/student/finances/index.html
International - www.uow.edu.au/prospective/international/fees/

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Bachelor of Arts

Testamur Title of Degree:	Bachelor of Arts
Abbreviation:	BA
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	708
UAC Code:	See information under each major
CRICOS Code:	012087M

Overview

Students enrol in the Bachelor of Arts in the Faculty of Health and Behavioural Sciences (Course Code 708) who wish to undertake a major or double major in either Population Health and/or Psychology. Students who choose the Bachelor of Arts would normally choose elective subjects outside their major from the humanities and social sciences. Students also may choose a second major from outside the Faculty.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5, with a level of 6.0 in reading, writing, speaking and listening. Alternative pathways exist for mature age domestic students.

Course Requirements

The Bachelor of Arts (Course Code 708) is comprised of 144 credit points of subjects listed in the subject schedule for a major in the Faculty of Health and Behavioural Sciences, plus additional elective subjects chosen from Health and Behavioural Sciences, Arts, or the General Schedule. Subjects to a value of at least 90, credit points of subjects must be selected from the Health and Behavioural Sciences or the Arts schedules. Students may undertake no more than 60 credit points of 100-level subjects.

Major Study Areas

Population Health

Population Health and Indigenous Health

Population Health and Marketing

Population Health and Psychology

Psychology

Population Health

UAC Code 757649

The Bachelor of Arts (Population Health) aims to train students in skills to obtain, review and analyse health information, to plan and manage a health project and to improve the health of populations. The program is designed to do two main things. Firstly, students will learn the basics of the health sector and develop an understanding of the problems involving health, illness, treatment and welfare.

Secondly, some useful skills are developed such as analysing information, researching with people, developing policy, project management and writing for a range of purposes, such as report writing and writing for the media. This means that upon graduation, there are many possibilities with regard to jobs, especially if Population Health is taken in conjunction with another specialty area, such as psychology, nutrition, exercise science, statistics, economics or politics.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level.

International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Population Health major consists of 88 credit points as outlined in the course structure below, together with other subjects which may be selected from the Health & Behavioural Sciences, Arts or General Schedules, to make up the 144 credit points required for the degree. At least 90 credit points must be chosen from subjects offered by the Faculty of Health and Behavioural Sciences and the Faculty of Arts Schedules.

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Double Majors

Students may undertake a double major in:

- Population Health and Indigenous Health
- Population Health and Marketing
- Population Health and Psychology

Honours

See entry under Bachelor of Arts.

Course Program

Subjects		Session	Credit Points
100 Level			
BMS 103	Human Growth Nutrition and Exercise	Autumn	6
POP 101	Population Health – Current Issues and their Determinants	Autumn	6
STAT151	Introduction to the Concepts & Practice of Statistics	Spring	6
and one of			
ABST150	Introduction to Aboriginal Australia	Autumn/ Spring	6
Or			
POP 103	Introduction to Health Behaviour Change	Spring	6
200 Level			
POP 201	Contemporary Population Health Issues	Autumn	6
POP 202	Promoting Healthy Lifestyles	Autumn	6
POP 203	Health Policy	Spring	6
POP 204	Epidemiology	Spring	6
300 Level			
POP 301	Project and Program Design, Management and Evaluation	Autumn	8
POP 302	Analysis and Interpretation of Evidence	Autumn	8
POP 331	Population Health Project A**	Not offered in 2008	24
or			
POP 332	Population Health Project B*	Spring	8

* Students taking a joint major with another specialisation should take POP332 Population Health Project B.

**Requires a credit average in core population health subjects

Note – students can include additional subjects in Population Health in their degree, including:

POP 325	Aboriginal Health Issues	Spring	8
POP 222	Current issues in food and nutrition	Spring	6
BM 310	Community and Public Health Nutrition	Autumn	8

Other Information

Double degree programs (e.g. with commerce or nursing) are also possible.

Psychology

(UAC Code 753122)

Single Major

Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

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Major Study

Students of the BA will complete the program of study outlined below for a major in Psychology. Additional subjects should be taken in line with the degree requirements to complete the degree.

Double Majors

Students may undertake a double major in:

- Population Health and Psychology
- Psychology and Biology
- Psychology and Exercise Science
- Psychology and Nutrition

Honours

Honours in Psychology is a fourth year of study accredited by the Australian Psychological Society (APS). It is offered on a one year full-time or two year part-time basis. Psychology Honours is a route to the Postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a Psychologist with the Psychologist's Registration Board of New South Wales - a post degree supervision period also being required. Graduates of the University of Wollongong with a major in Psychology are eligible for admission to Psychology Honours provided that: they have completed an undergraduate degree curriculum with a major in psychology; they have completed PSYC249 Applied Psychology, PSYC348 History and Metatheory of Psychology and PSYC354 Design and Analysis; they have completed at least 76 credit points of Psychology subjects at 200- and 300- levels; they have at least a credit average for Psychology subjects at 200- and 300- levels.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW it is necessary to complete an accredited 4-year course of study plus 2 years supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

Subjects		Session	Credit Points
PSYC121	Foundations in Psychology A	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
PSYC231	Personality	Autumn	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC250	Quantitative Methods	Autumn	6
PSYC347	Assessment and Intervention	Autumn	6
And two electives, of which there must be at least one of the following:			
PSYC345	Advanced Topics in Cognition	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC315	Psychology of Abnormality	Spring	8
PSYC350	Social Behaviour and Individual Differences	Not offered in 2008	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC354	Design and Analysis	Spring	8

Other Information

Subjects to the total value of 144 credit points are required for the degree. Subjects to a value of at least 90 credit points must be selected from the Health and Behavioural Sciences or the Arts schedules. The remaining 54 credit points can be chosen from Health and Behavioural Sciences, Arts, or the General Schedule. Students may undertake no more than 60 credit points of 100-level subjects. Students should refer to the Award Rules for the Bachelor of Arts (Course Code 708) for further details.

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Population Health and Indigenous Health

UAC Code 757648

Students must complete at least 72 credit points in the Population Health major and at least 72 credit points in the Indigenous Health major for a total of at least 144 credit points.

This double major in Population Health and Indigenous Health provides an opportunity for students undertaking the Population Health major to complete a second major in Indigenous Health. An in-depth understanding of Indigenous Health issues and the development of public health programs that are appropriate for indigenous Australians is important for those working in public health generally. The health of Aboriginal people is a major challenge for public health in Australia. The Population Health program offers Indigenous Health program students with an interest in working in the Aboriginal community additional skills in epidemiology, evidence-based approaches, project managements, and health promotion.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level.

International students are required to have achieved and IELTS score of 6.5 with at least 6.0 in reading, writing. Listening and speaking

Alternative pathways exist for mature age domestic students.

Course Program

100 level

POP 101	Population Health – Current Health Issues & and Their Determinants	Autumn	6
BMS 103	Human Growth Nutrition and Exercise	Autumn	6
ABST150	Introduction to Aboriginal Australia (or Spring for students undertaking EDUF111)	Autumn	6
NMIH101	Effective Communication in Health Care Relationships	Autumn	6
STAT151	Introduction to the Concepts & Practice of Statistics	Spring	6
POP 103	Introduction to Health Behaviour Change	Spring	6

Plus 12 credit points of elective subjects chosen with advice of Indigenous Health coordinator.

Students considering a Graduate Diploma in Education should complete-:-

EDUF111	Education I	Autumn	6
EDUF212	Education II	Spring	6

200 level

POP 201	Contemporary Population Health Issues	Autumn	6
POP 202	Promoting Healthy Lifestyles	Autumn	6
ABST200	Aboriginal History Since Invasion	Autumn	8
POP 203	Health Policy and Service Structure	Spring	6
POP 204	Epidemiology	Spring	6
And either			
NURS242	Functional Community Structures	Autumn	6
or			
NURS240	Current Services in Aboriginal Health	Autumn	6
plus			
ARTS211	Social Science Perspectives on Health and Illness	Spring	6
NURS243	Comparative Indigenous Health Issues	Spring	6

300 level

POP 301	Project and program design, management and evaluation	Autumn	8
POP 302	Analysis and interpretation of evidence	Autumn	8
NURS341	Research in Indigenous Health	Autumn	6
POP 332	Population health project B	Spring	8
POP 325	Indigenous Health Issues	Spring	8
ABST300	Indigenous Theories of De-colonisation	Spring	8

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Plus one of the following subjects:-

NURS327	Health and Human Ecology	Spring	6
NURS343	Community Health Development: Theory, Research and Practice	Spring	6

Population Health and Marketing

UAC Code 757648

The double major requires 66 credit points in the Population Health major and 48 credit points in the Marketing major (plus prerequisite subjects totalling 12 credit points), with an additional 18 credit points of elective subjects to total 144 credit points for the degree.

This double major meets the needs of these students who are interested in working in health promotion with an emphasis on health communication, as well as the development, promotion, management and evaluation of community-based health programs. It may also be relevant to students interested in following a career in health services marketing in the private and public sphere.

The double major is also a first degree for students interested in pursuing Honours and postgraduate research studies in these areas.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level.

International students are required to have achieved and IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking

Alternative pathways exist for mature age domestic students.

Course Program

100 level

POP 101	Population Health – Current Health Issues & and Their Determinants	Autumn	6
BMS 103	Human Growth Nutrition and Exercise	Autumn	6
MARK101	Marketing Principles	Autumn	6
POP 103	Introduction to Health Behaviour Change	Spring	6
COMM121	Quantitative Methods I	Spring	6

Plus elective subjects to the value of 18 credit points, 6 credit points in Autumn Session and 12 credit points in Spring Session.

200 level

POP 201	Contemporary Population Health Issues	Autumn	6
POP 202	Promoting Healthy Lifestyles	Autumn	6
POP 203	Health Policy and Service Structure	Spring	6
POP 204	Epidemiology	Spring	6
MARK201	Applied Marketing Research A	Autumn	6
MARK217	Consumer Behaviour	Autumn	6
MARK202	Applied Marketing Research B	Spring	6
MARK270	Services Marketing	Spring	6

300 level

POP 301	Project and Program Design, Management and Evaluation	Autumn	8
POP 302	Analysis and Interpretation of Evidence	Autumn	8
MARK333	Marketing Communications	Autumn	6
MARK320	Social Marketing	Autumn	6
POP 332	Population Health Project B	Spring	8
MARK301	Internet Applications for Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6

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Population Health and Psychology

UAC Code 757648 for BSc or 757651 for BA

The double major in Population Health and Psychology enables students to pursue two options for their career or further study. Students may progress to advanced level study such as honours or postgraduate courses in either field. In addition, the combination of majors will enable graduates to apply for jobs in specialist areas of population health, such as lifestyle counselling or lifestyle management programs.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level.

International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking.

Alternative pathways exist for mature age domestic students.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW, it is necessary to complete an accredited 4-year course of study plus 2 years' supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Double Major

The double major in Population Health and Psychology consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in Psychology at the end of the double major degree, additional subjects are required. Students should consult the information on Honours in the entry for the Psychology major.

Course Program

Subjects		Session	Credit Points
100 Level			
ABST150	Introduction to Aboriginal Australia	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
PSYC121	Foundations of Psychology A	Autumn	6
POP 101	Population Health – current health issues and their determinants	Autumn	6
POP 103	Introduction to Health Behaviour Change	Spring	6
PSYC122	Foundations of Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
and one elective			
200 Level			
POP 201	Contemporary Population Health Issues	Autumn	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC250	Quantitative Methods	Autumn	6
POP 203	Health Policy	Spring	6
POP 204	Epidemiology	Spring	6
PSYC236	Cognition and Perception	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
Note: Psychology Honours also requires that PSYC248 Statistics and Measurement 2 be taken.			
300 Level			
POP 301	Project and Program Design, Management and Evaluation	Autumn	8
POP 302	Analysis and Interpretation of Evidence	Autumn	8
PSYC347	Assessment and Intervention	Autumn	8
POP 332	Population Health Project B	Spring	8
And two electives, of which there must be at least one of the following:			
PSYC345	Advanced Topics in Cognition	Autumn	8
PSYC349	Visual Perception	Spring	8

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PSYC352	Psychophysiology	Spring	8
And may include			
PSYC315	Psychology of Abnormality	Spring	8
PSYC350	Social Behaviour and Individual Differences	Not offered in 2007	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC354	Design and Analysis	Spring	8

Note: Students wishing to take Psychology Honours should consult the information on Honours listed under the single Major, Psychology, to ensure they complete the required subjects.

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules. Subjects to the value of 144 credit points are required for the degree.

Bachelor of Exercise Science and Rehabilitation

Testamur Title of Degree:	Bachelor of Exercise Science and Rehabilitation
Abbreviation:	BExScRehab
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	192 cp
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	851A
UAC Code:	757643
CRICOS Code:	016112E

Overview

The Bachelor of Exercise Science and Rehabilitation emphasises professional development and is designed to provide students with opportunities to gain clinical skills through work experience within the school's Exercise Science and Rehabilitation Centre, and other clinical application placement programs operating within the community. Graduates are trained to utilise exercise as an intervention to maintain and improve health and fitness, and rehabilitate after injury or disease.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5, with a minimum level of 6 in reading, writing, speaking and listening.

NSW Health Employment Requirements: The NSW Health Department requires all staff and students undertaking clinical placements in positions dealing with children and patients vulnerable by reason of health status, to undergo a criminal record and vaccination record status check before employment or placement in any capacity in the NSW health system. For further information, refer to the Additional Information section.

Advanced Standing

Undergraduate students wishing to transfer into the Bachelor of Exercise Science and Rehabilitation degree may apply upon completion of the three years of the BSc (Exercise Science) or BSc (Exercise Science and Nutrition) degrees (or other approved degree programs). Selection is based on University results over that time.

Course Requirements

The Bachelor of Exercise Science and Rehabilitation degree is comprised of 178 credit points of core subjects, with the balance (at least 14 credit points) to be taken as elective subjects from the Health and Behavioural Sciences or Science Schedules. Further, at least 88 credit points will be at 300 and/or 400-level, including at least 40 credit points at the 400-level.

Students will need to achieve a minimum of credit average across the first two years of their program to be permitted to continue into the third and fourth years of this degree. Students failing to achieve this grade will be transferred to the BSc (Exercise Science) degree program.

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Course Program

Subjects		Session	Credit Points
Year 1			
BMS 101	Systemic Anatomy	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS 112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BMS 211	Foundations of Biomechanics	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS 203	Musculoskeletal Functional Anatomy	Spring	6
BM 204	Introduction to Pathophysiology	Spring	6
BMS 242	Exercise Physiology	Spring	6
	Plus a further 6 cp from:		
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
MGMT102	Business Communications	Spring	6
POP 101	Population Health – Current Health Issues and Their Determinants	Autumn	6
POP 203	Health Policy	Spring	6
POP 204	Epidemiology	Spring	6
Year 3			
BMS 342	Advanced Exercise Physiology	Autumn	8
BMS 344	Cardiorespiratory Physiology	Autumn	8
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
BMS 346	Motor Control and Dysfunction	Spring	8
BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
	Plus a further subject from:		
BMS 341	Clinical Biomechanics	Spring	8
	Or other approved subject		
Year 4			
BEXS411	Practicum in Exercise Science A	Autumn	8
BEXS451	Exercise Rehabilitation 1: Musculoskeletal	Autumn	8
BEXS452	Exercise Rehabilitation 2: Cardiorespiratory and Neurological	Autumn	8
BMS 303	Research Topics in Exercise Science	Spring	8
BEXS402	Exercise for Special Populations	Spring	8
BEXS412	Practicum in Exercise Science B	Spring	8

Honours

Students should refer to the School of Health Sciences for information about Honours.

Professional Recognition

Graduates may become members of the Australian Association for Exercise and Sport Science and achieve professional accreditation with further work experience.

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Bachelor of Health Science in Indigenous Health Studies

Testamur Title of Degree:	Bachelor of Health Science in Indigenous Health Studies
Abbreviation:	BHlthScInd
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Flexible
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	786A
UAC Code:	756632
CRICOS Code:	058670E

Overview

The Bachelor of Health Science in Indigenous Health Studies is a flexibly delivered degree offered in partnership with the Illawarra Institute of Technology (TAFE NSW) Shellharbour campus. The course can also be done entirely through the University. The degree provides students with the knowledge and skills to effectively address Indigenous health issues.

Areas covered include: community health, community development and cultural issues. This course also complements study in related areas, for example Aboriginal Studies, Population Health, Psychology and Sociology.

Entry Requirements / Assumed Knowledge

Domestic school leavers are recommended to have completed 2 units of Aboriginal Studies at HSC level. Alternative pathways exist for mature age domestic students. Even if you have not completed the current NSW HSC (or equivalent) in full, or you did not receive the required entry mark, you may still qualify for admission.

Course Requirements

During the program students who complete the Advanced Diploma in Aboriginal and Torres Strait Islander Health offered by TAFE NSW, receive 72 credit points' of advanced standing towards the degree. This is followed by 1.5 years full-time study (or part-time equivalent) in the Indigenous Health program at the University to complete a further 72 credit points of approved subjects. These may include complementary subjects from population health, Aboriginal studies and nursing.

This is a fully articulated multidisciplinary program with multiple entry and exit points, and Recognised Prior Learning criteria. A significant placement component is included to provide practical, as well as theoretical knowledge and skills in Indigenous culture, health and community development.

The TAFE component of the course is offered in flexible delivery mode. Students completing the course will be concurrently enrolled at both the University of Wollongong and the Illawarra Institute of Technology. Students should be aware that the TAFE component of the program begins in February, earlier than normal session start.

Students should seek advice from an academic adviser at the University or at TAFE before enrolling in this program. Students wishing to undertake part-time study in the TAFE component must discuss this with the TAFE coordinator:

Ms Sandra Bolack
Head Teacher, Nursing Unit
The Illawarra Institute of Technology (TAFE NSW)
Shellharbour Campus
Phone: 4295 2289 / Fax: 4295 2114
Email: Sandra.bolack@det.nsw.edu.au

or

Faye McMillan
Lecturer, Indigenous Health program, School of Nursing, Midwifery and Indigenous Health, University of Wollongong
+61 2 4221 3453 or fayemc@uow.edu.au

Course Program

TAFE Advanced Diploma in Aboriginal and Torres Strait Islander Health

Subjects		Session	Credit Points
NMIH101	Effective Communication in Health Care Relationships	Autumn	6
ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
NURS240	Current Services in Aboriginal Health	Spring	6

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NURS242	Functional Community Structures	Not Available in 2008	6
NURS243	Comparative Indigenous Health Issues	Spring	6
NURS327	Health and Human Ecology	Spring	6
NURS341	Research in Indigenous Health	Autumn	6
NURS343	Indigenous Community Development: Theory and Practice	Not Available in 2008	6
NURS344	Community Health: Theory, Research and Practice	Spring	6

Plus at least 12 credit points to be selected from:

ABST150	Introduction to Aboriginal Australia	Autumn/ Spring	6
ABST200	Aboriginal History Since Invasion	Autumn	8
ABST300	Indigenous Theories of De-Colonisation	Spring	8

With other subjects approved by the Head of School.

Professional Recognition

Completion of the TAFE Advanced Diploma is linked to the Aboriginal Health Worker Award.

Bachelor of Health Sciences

Testamur Title of Degree:	Bachelor of Health Sciences
Abbreviation:	BHlthSc
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time or equivalent
Total Credit Points:	144
Delivery Mode:	On campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	786
UAC Code:	757639
CRICOS Code:	058670E

Overview

The Bachelor of Health Sciences has a clear focus on the preparation of students for postgraduate studies in health related areas or graduate entry studies in medicine. The five areas of specialisation within the degree will allow students to pursue individual interests.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are expected to have completed any two units of English, plus four units of Science and/or Maths.

International students are required to have achieved an IELTS score of 6.5, and at least a level of 6.0 in all bands.

Course Requirements

The Bachelor of Health Sciences is comprised of 102 credit points of core subjects, with 42 credit points to be made up of subjects chosen from one of the Specialisation Subject Clusters. Students must complete at least 42 credit points from one of the Specialisation Subject Clusters with at least 2 of those subjects taken at 300 level.

Course Program

Subjects		Session	Credit Points
Year 1			
PHYS155	Biomedical Physics	Autumn	6
NURS162	Effective Communication in Health Care Relationships	Autumn	6
CHEM101	Chemistry IA	Autumn	6
And either			
BMS 103	Foundations of Human Growth Nutrition and Exercise	Autumn	6
Or			

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PSYC101	Introduction to Behavioural Science	Autumn	6
or			
100 level prerequisite subject required by specialisation subject cluster			
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry IB	Spring	6
And either			
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Or			
PSYC123	Theory Design and Statistics in Psychology	Spring	6
And either			
POP 103	Introduction to Health Behaviour Change	Spring	6
Or			
ABST150	Introduction to Aboriginal Australia	Spring	6
or			
100 level prerequisite subject required by specialisation subject cluster			
Year 2			
BIOL213	Principles of Biochemistry	Autumn	6
POP 201	Contemporary population health issues	Autumn	6
ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
And			
Elective chosen from subjects listed in specialisation subject cluster			
BMS 112	Human Physiology 1: Principles and Systems*	Spring	6
POP 204	Epidemiology	Spring	6
And			
2 Electives chosen from subjects listed in specialisation subject cluster			
Year 3			
HSC 300	Integrated Human Issues	Autumn	8
And either			
POP 302	Evidence and Measurement in Population Health	Autumn	8
Or			
NURS364	Research Appreciation and Application	Autumn	8
And			
Elective chosen from subjects listed in specialisation subject cluster			
PHIL380	Bioethics	Spring	8
And			
Two electives chosen from subjects listed in specialisation subject cluster			

Electives are chosen from the specialisation subject clusters listed below, and will include at least 42 credit points from each cluster with at least 2 subjects at 300-Level (N.B. The choice of electives will be subject to availability of subjects at the time of enrolment).

1. Indigenous Culture and Health**

ABST150	Introduction to Aboriginal Australia
ABS 200	Aboriginal History since Invasion
NURS240	Current Services in Aboriginal Health
NURS243	Comparative Indigenous Health Issues
NURS343	Indigenous Community Development: Theory and Practice
NURS344	Community Health: Theory, Research & Practice
POP 325	Aboriginal Health Issues

2. Community, Culture and Society**

2.1. Society, Policy and Health

LAW 100	Law in Society

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POP 203	Health policy
STS 223	The Politics of Medicine and Health
PHIL206	Practical Ethics
HIST342	Sickness and death: Social history and public health in Australia
ECON317	Economics of Health Care
SOC 310	Community Organisations, the Third Sector and Civil Society
POP 301	Project and program design, management and evaluation
POP 332	Population Health Project B

2.2 Community, Culture and Individuals

AUS 101	Australian Studies: Cultures and Identities
SMAC100	Thinking About Society, Technology and Culture
EESC210	Social Spaces: Rural and Urban
SOC 205	Sociology of the Family
ECON208	Gender, Work and the Family
HIST334	Regional History
SOC 310	Community Organisations, the Third Sector and Civil Society
SOC 330	Gender and Society

3. Health Practice and the Individual**

PSYC101	Introduction to Behavioural Science
BMS 103	Human Growth, Nutrition and Exercise
NURS264	Reflection and Practice
PSYC216	Psychology of Physical Activity
POP 202	Promoting Healthy Lifestyles
POP 222	Current Issues in Food and Nutrition
BMS 210	Measurement and Assessment of Diet and Activity
NURS363	Therapeutic Use of Self
CCS 351	Signs of Communication
NURS322	Developmental Disability
BMS 310	Community and Public Health Nutrition
BMS 314	Nutrition and Food Innovation B
POP 325	Aboriginal Health Issues

4. Human Biological Science**

4.1 Anatomy and Physiology

BMS 101	Systemic Anatomy***
BMS 112	Human Physiology: Principle and Systems***
BMS 200	Histology
BMS 202	Human Physiology II: Control Mechanisms
BMS 344	Cardio-respiratory Physiology
BMS 352	Fundamentals of Neuroscience
BMS 300	Anatomy II (Regional Anatomy)

4.2 Genetics, Molecular Biology and Pharmacology

BIOL 213	Principles of Biochemistry
BIOL214	The Biochemistry of Energy and Metabolism
BIOL215	Introductory Genetics
BIOL320	Molecular Cell Biology
BIOL321	Infection and Immunity
CHEM350	Principles of Pharmacology

5. Social Psychology**

PSYC121	Foundations of Psychology A (in place of PSYC 101)****
PSYC122	Foundations of Psychology B****

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PSYC123	Theory Design and Statistics in Psychology (in place of STAT 151)
PSYC231	Personality
PSYC241	Developmental and Social Psychology
PSYC315	Psychology of Abnormality
PSYC350	Social Behaviour and Individual Differences
PSYC318	Change Throughout the Lifespan

* ABST150 or PSYC101 or PSYC121should be chosen as an elective for students specialising in the Human Biological Science: Anatomy and Physiology cluster who completed BMS112 in first year

** may include an alternative 6 to 8 credit point subject approved by the Head of the School

*** BMS 101 and BMS 112 should be completed in first year for students intending to specialise in the Human Biological Science: Anatomy and Physiology Cluster

**** PSYC 121 and PSYC 122 should be completed in first year for students intending to specialise in the Social Psychology Cluster

Bachelor of Nutrition and Dietetics

Testamur Title of Degree:	Bachelor of Nutrition and Dietetics
Abbreviation:	BNutrDiet
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	192 cp
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	865
UAC Code:	757647
CRICOS Code:	026811F

Overview

The Bachelor of Nutrition & Dietetics course emphasises professional development and provides students with opportunities to gain clinical and health promotion skills through placements in hospitals, community health centres and food companies.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 (minimum) for reading, writing, speaking and listening.

Course Requirements

Students will need to achieve a minimum of credit average across the first two years of their program to be permitted to continue into the third and fourth years of this degree. Students failing to achieve this grade will be transferred to the BSc (Nutrition) degree program.

Course Program

Subjects		Session	Credit Points
Year 1			
MGMT110	Introduction to Management and Employment Relations	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
BMS 112	Human Physiology I: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6

Plus a further 6 cp from

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PSYC101	Introduction to Behavioural Science	Autumn	6
Or			
SOC 103	Aspects of Australian Society	Autumn	6
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
POP 202	Promoting Healthy Lifestyles	Autumn	6
POP 222	Current Issues in Food and Nutrition	Spring	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BMS 210	Measurement and Assessment of Diet and Activity	Spring	6
Plus a further 6 cp from:			
BMS 204	Introduction to Pathophysiology	Spring	6
BMS 313	Nutrition and Food Innovation A	Spring	6
POP 203	Health Policy*	Spring	6
POP 204	Epidemiology*	Spring	6
MGMT311	Management of Change	Spring	6
MGMT398	Human Resource Management	Spring	6
Or other approved subjects			
Year 3			
BMS 311	Nutrients and Metabolism	Autumn	8
BMS 310	Community and Public Health Nutrition	Autumn	8
BMS 312	Research in Human Nutrition	Autumn	8
BMS 304	Research Topics in Nutrition and Dietetics	Spring	16
Plus a further 8 cp from:			
BMS 345	Advanced Topics in Pathophysiology	Spring	8
BMS 314	Nutrition and Food Innovation B*	Spring	8
POP 325	Aboriginal Health Issues	Spring	8
STS 335	The Politics of Risk	Spring	8
Or other approved subjects			
Year 4			
BND 433	Communication in Health Care Practice	Autumn	8
BND 434	Dietetics	Autumn	8
BND 435	Food Services and Dietetics Management	Autumn	8
BND 437	Practical Studies in Nutrition and Dietetics	Spring	24

* Not to be taken if BMS313 is chosen in Year 3

Honours

Students should consult the School of Health Sciences about the requirements for Honours.

Professional Recognition

Graduates are eligible for membership of the Dietitians Association of Australia, and professional recognition as a Dietitian/Nutritionist.

Other Information

See section on Criminal Record Checks and Infectious Diseases in the Additional Information Section.

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Bachelor of Medical Science

Testamur Title of Degree:	Bachelor of Medical Science
Abbreviation:	BMedSc
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time
Total Credit Points:	144 cp
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	787
UAC Code:	757641
CRICOS Code:	036458B

Overview

The Bachelor of Medical Science degree provides an excellent first degree for students wishing to enrol in post-graduate studies in medicine, teaching or research. Students receive a thorough grounding in areas such as anatomy, physiology, neuroscience, biochemistry, chemistry and biology.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5, with a minimum level of 6 in reading, writing, speaking and listening.

Course Requirements

The Bachelor of Medical Science degree requires 3 years of full-time study and satisfactory completion of 144 credit points.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS 101	Systemic Anatomy	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
BMS 112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
MGMT110	Introduction to Management	Spring	6
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
BMS 200	Histology	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BMS 204	Introduction to Pathophysiology	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
Plus a further 6 cp from:			
BMS 211	Foundations of Biomechanics	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
STS 215	Globalisation: Technology, Culture and Media	Autumn	8
	Or other approved subject		
Plus a further 6 cp from:			
BMS 242	Exercise Physiology	Spring	6
BMS 203	Musculoskeletal Functional Anatomy	Spring	6

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BIOL215	Introductory Genetics	Spring	6
MGMT321	Occupational Health and Safety Management	Spring	6
	Or other approved subjects		
Year 3			
BMS 352	Fundamentals of Neuroscience	Autumn	8
BMS 300	Anatomy II Regional Anatomy	Spring	8
Plus a further 16 cp from:			
BMS 302	Research Topics	Autumn/Spring	8
BMS 311	Nutrients and Metabolism	Autumn	8
BMS 342	Advanced Exercise Physiology	Autumn	8
BMS 344	Cardiorespiratory Physiology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
CHEM350	Principles of Pharmacology	Autumn	8
Or other approved subjects			
And a further 16 cp from:			
BMS 302	Research Topics	Autumn/Spring	8
BMS 345	Advanced Topics in Pathophysiology	Spring	8
BMS 346	Motor Control and Dysfunction	Spring	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
PHIL380	Bioethics	Spring	8
Or other approved subjects			

Honours

Students wishing to proceed to Honours enrol in the Bachelor of Medical Science (Honours), which is designed to provide students with skills to demonstrate excellence in research, with a clear understanding of a research question in relation to current knowledge. The degree program fosters the following abilities and skills: plan, design and perform a research project; collect and analyse data; evaluate data; synthesise results and integrate with relevant ideas and concepts; communicate findings; put relevant OHS principles into practice.

Entry into the Bachelor of Medical Science (Honours) requires the student to have attained at least a credit average in subjects undertaken during their undergraduate degree. The Postgraduate Coordinator and prospective supervisor will determine whether a student's 300-level subjects are appropriate for entry into the Bachelor of Medical Science (Honours). In addition, admission will be dependent upon the availability of an appropriate supervisor, who must be identified by the applicant prior to applying for entry. Students considering enrolment in Bachelor of Medical Science (Honours) should first contact the School's Honours Coordinator.

Bachelor of Medicine and Bachelor of Surgery

Testamur Title of Degree:	Bachelor of Medicine and Bachelor of Surgery
Abbreviation:	MBBS
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	192 cp
Delivery Mode:	On campus
Starting Session(s):	Autumn
Location:	Wollongong and Shoalhaven
UOW Course Code:	888
UAC Code:	N/A
CRICOS Code:	054941G

Overview

Medicine is potentially one of the most exciting and challenging of all professions. The University of Wollongong Bachelor of Medicine and Bachelor of Surgery aims to produce knowledgeable, caring and competent graduates, well prepared to practise medicine under supervision as interns and subsequently to commence postgraduate vocational training in any area of medicine. The course also aims to impart knowledge, attitudes and skills that will enable graduates to practice ethical and scientifically-based health care with a high level of skill and social responsibility, and continue to

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develop their knowledge and skills throughout their career. The Graduate School of Medicine is committed to producing excellent medical practitioners who are committed to work in regional, rural and remote communities.

Entry Requirements / Assumed Knowledge

To qualify for admission to the University of Wollongong Bachelor of Medicine and Bachelor of Surgery applicants must have a Bachelor's degree in any discipline from a recognised institution completed no more than 10 years prior to course commencement, and must have completed the Graduate Australian Medical Schools Admission Test (GAMSAT). Further information on applying for admission, including information on the necessary portfolio for admission, is available from Wollongong UniAdvice. International applicants must also satisfy the English language requirements for the course as detailed on the University website: www.uow.edu.au/prospective/international/english/index.html

In order to attend clinical placements, students are required to have a Criminal Record Check (CRC) clearance card. To obtain this, students are requested to complete a CRC application form and sign a Working with Children Check form eight weeks prior to clinical placements. Before starting clinical placements, students are also required to comply with NSW Health Department Circular 'Occupational Screening and Vaccination Against Infectious Diseases', available on the NSW Health Department website. Students who do not meet these requirements will not be able to attend clinical practicum and therefore will not be able to enrol in the course. Further information is available at the end of this chapter.

Course Requirements

The University of Wollongong Bachelor of Medicine/Bachelor of Surgery requires 4 years of full-time study and satisfactory completion of 192 credit points. The program is divided into 4 phases which each contain an integrated program of coursework and clinical experience.

Course Program

Subjects		Session	Credit Points
Year 1			
Phase 1			
MEDI601	Medicine 1	Autumn	24
MEDI601	Medicine 1	Spring	24
Year 2			
Phase 1			
MEDI601	Medicine 1	Autumn	24
Phase 2			
MEDI602	Medicine 2	Spring	24
Year 3			
Phase 2			
MEDI602	Medicine 2	Autumn	24
Phase 3			
MEDI603	Medicine 3	Spring	24
Year 4			
Phase 3			
MEDI603	Medicine 3	Autumn	24
Phase 4			
MEDI604	Medicine 4	Spring	24

Each Phase must be completed satisfactorily before students may progress to the next Phase. If a student withdraws or does not satisfactorily complete a phase, they shall be required to repeat the entire phase. Grades for each Phase are only declared at the end of the phase.

The University of Wollongong Bachelor of Medicine and Bachelor of Surgery is a prescribed course with specific course rules regarding minimum rate of progress. Students are advised to refer to the University Course Rules for further information.

Note that due to the necessary inclusion of clinical placements, the dates for each session may vary from the normal UOW sessions.

Professional Recognition

Upon completion of a University of Wollongong Bachelor of Medicine and Bachelor of Surgery, graduates will have an extensive range of career options. Graduates may undertake work in private or public health, research, aid organizations, the defence forces, or a combination of these areas. There are many specialties available to graduates after completion of the University of Wollongong Bachelor of Medicine and Bachelor of Surgery, including:

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Accident and emergency, anaesthesia, dermatology, general practice, geriatric medicine, intensive care, medical administration, internal medicine, obstetrics and gynaecology, occupational medicine, ophthalmology, paediatrics, oncology, cardiology, neurology, pathology, histopathology, microbiology, psychiatry, public health medicine, radiology, rehabilitation medicine, sexual health, sports medicine or surgery.

Australian graduates are required to complete an intern year in an Australian hospital as a prerequisite for full medical registration.

Further information regarding registration can be found at www.medeserv.com.au/nswmb/registration

Other Information

For further information, please contact:
Keith McMullen
Curriculum Manager
Email: keithmc@uow.edu.au

Bachelor of Nursing

Testamur Title of Degree:	Bachelor of Nursing
Abbreviation:	BNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time
Total Credit Points:	144
Delivery Mode:	Day classes
Starting Session(s):	Autumn
Location:	Wollongong, Bega and Nowra
UOW Course Code:	863
UAC Code:	757101
CRICOS Code:	003330B

Overview

The Bachelor of Nursing is a first level award. Broad aims include sound knowledge for safe and competent practice; appropriate and affective psychomotor skills whilst providing holistic patient care. Developing reflective nursing practice skills in a variety of settings that draw on relevant principles within the biosciences, social and behavioural sciences. Effective interpersonal and group communication skills including effective and collaborative functioning as a professional member of the health care team. Effective and sensitive practice within a multicultural environment is a crucial aspect of nursing practice. Lastly the responsibility for the continuing development of yourself and the profession in order to maintain a high level of skills in the organisation and allocation of priorities in clinical practice.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any 2 units of Science at HSC level.

International students are required to have achieved an overall IELTS score of 6.5, with a level of at least 6.0 in all bands: reading, writing, speaking and listening.

Alternative pathways exist for mature age domestic students.

Enrolled Nurses who have completed an approved TAFE Bridging Course are able to enter Year 2 of the course

Advanced Standing

Enrolled Nurses with a TAFE Advanced Certificate may receive 12 credit points' advanced standing toward Year 1

Course Requirements

The Bachelor of Nursing is comprised of 144 credit points of core subjects. This is a prescribed course designed for persons seeking to be eligible to register with the New South Wales Nurses' Registration Board, in which:

For 2008 a new curriculum will be delivered for the first time so for students joining this year:

Year 1 of the course introduces Principles of Nursing Care;

Students continuing into the second and third years in 2008:
Year 2 of the course focuses on developing Collaborative Practice; and

Year 3 of the course is concerned with Autonomous Practice.

Candidates should note that pre- and co-requisites apply to many subjects in the course.

The reason for these prescriptions is that the School of Nursing, Midwifery and Indigenous Health has a legal responsibility to ensure that candidates meet nursing theory and practice requirements at each level of the course.

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Clinical practicum is an integral component of the programme. The length of each session of the course varies from the normal 13 week session in order accommodate this. Throughout the three-year course, students will be required to attend 20 weeks off-campus clinical placements in a variety of settings and different area health services.

Students have to complete a number of mandatory documents before attending clinical placements:

Prohibited Employment Declaration Form (Working with Children Check)*;

Application form for a Criminal Record Check (CRC)*;

Student Acknowledgement Form*;

Adult Vaccination Record Card concerning your Immunisation status. (NSW Health Department Circular 'Occupational Screening and Vaccination Against Infectious Diseases',* available on the NSW Health Department website.)

NB: Students who do not meet these requirements will not be able to attend clinical practicum and therefore will not be able to continue in the Bachelor of Nursing.

* Further information is available under the Additional Information Section.

Course Program

Subjects		Session	Credit Points
Year 1			
NMIH101	Effective Communication in Health Care Relationships	Autumn	6
NMIH102	Patterns of Knowing in Nursing	Autumn	6
NMIH103	Art and Science of Nursing A	Autumn	6
NMIH104	Art and Science of Nursing B	Autumn	6
NMIH105	Primary Health Care Nursing	Spring	6
NMIH106	Essentials of Care A	Spring	6
NMIH107	Essentials of Care B	Spring	6
POP 103	Introduction to Health Behaviour Change	Spring	6
Year 2			
NMIH201	Principles of Episodic Care	Autumn	6
NMIH202	Developing Nursing Practice 1	Autumn	6
NMIH203	Family Centred Nursing	Autumn	6
NMIH204	Reflection and Practice	Autumn	6
NMIH205	Cultural Competence in Health Care Practice	Spring	6
NMIH206	Therapeutics in Nursing	Spring	6
NMIH207	Developing Nursing Practice 2	Spring	6
NMIH208	Mental Health Nursing 1	Spring	6
Year 3			
NMIH301	Nursing Care of People with Chronic Conditions	Autumn	6
NMIH302	Mental Health Nursing 2	Autumn	6
NMIH303	Therapeutic Use of Self	Autumn	6
NMIH304	Evidence Appreciation and Application in Health Care Practice	Autumn	6
NMIH305	Nursing Care of People with Complex Conditions	Spring	6
NMIH306	Challenges of Ageing	Spring	6
NMIH307	Leadership in Health Care Practice	Spring	6
NMIH308	Transition to Professional Practice	Spring	6

Honours

The Bachelor of Nursing (Honours) provides exceptional nursing students with the opportunity to extend their knowledge and skills beyond the beginning level. Entry into the Bachelor of Nursing (Honours) requires the student to have attained a credit average or above in 300-level Nursing subjects during their undergraduate degree. The Bachelor of Nursing (Honours) can be undertaken in 1 year (2 sessions) full-time or part-time equivalent completed through advanced coursework and research.

Professional Recognition

Graduates are eligible to seek registration with the Nurses' Registration Board NSW. Registration in other states is assessed individually. Graduates may gain registration in a number of other countries.

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Other Information

Further information is available from:
Dr Peter Thomas, Undergraduate Coordinator,
Phone: +61 2 4221 3229
Email: peter_thomas@uow.edu.au
Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing.

For information on Criminal Record checks and Infectious Diseases please see the Additional Information Section.

Bachelor of Nursing (Conversion)

Testamur Title of Degree:	Bachelor of Nursing (Conversion)
Abbreviation:	BNursing(Conversion)
Home Faculty:	Health and Behavioural Sciences
Duration:	The length of the degree is dependent upon entry qualifications
Total Credit Points:	24 cp (Diploma or equivalent) or 72 cp (Certificate or equivalent)
Delivery Mode:	Day classes
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	860
UAC Code:	N/A
CRICOS Code:	012094A

Overview

The Bachelor of Nursing (Conversion) provides hospital trained nurses or diplomates with the opportunity to upgrade to degree level. Students will demonstrate an increased understanding of the nature of nursing; evaluate and apply concepts drawn from nursing theory and research to professional practice; offer leadership to less experienced members of the nursing profession; demonstrate an increased awareness of the effects of cultural, social, economic, legal and ethical influences on the development of the nursing profession; demonstrate increased ability in critical reflection and research; display a readiness and ability to participate in positive changes; and demonstrate competencies that will enable health professionals to accept responsibility for a more complex level of client management.

Entry Requirements / Assumed Knowledge

Candidates must be Registered Nurses to enrol in this course; must be eligible for registration in NSW, and have obtained their initial qualification after 1972. Applicants who obtained their initial qualification before 1972 who do not hold equivalent nursing qualifications are still eligible to apply following successful completion of the Special Tertiary Admissions Test, or the fulfilment of other entry paths such as the University Access Program.

International students are required to have achieved an overall IELTS score of 6.5, with a level of at least 6.0 in all bands, reading and writing, speaking and listening.

Students should consult the information about Criminal Records Checks and Infectious Diseases in the Bachelor of Nursing entry above.

Advanced Standing

For Certificated Registered Nurses: Advanced standing of up to 24 credit points may be approved for candidates with post certificate qualifications and experience, but each candidate must satisfy each of the following requirements:

1. at least 6 credit points will be for 100-level subjects, and must include NMIH101;
2. at least 12 credit points will be for 200-level subjects;
3. at least 24 credit points will be for 300-level subjects, and must include NURS364.

Course Requirements for the course for Certificated Registered Nurses

The number of candidates admitted to the course will be limited and applicants must be approved by the Head of the School of Nursing, Midwifery and Indigenous Health. Registered nurses with certificate(s) are required to satisfactorily complete subjects with a value of at least 72 credit points.

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Course Program

Subjects		Session	Credit Points
POP 103	Introduction to Health Behaviour Change	Spring	6
NMIH101	Effective Communication in Health Care Relationships	Autumn	6
NMIH102	Patterns of Knowing in Nursing	Autumn	6
NMIH105	Primary Health Care Nursing	Spring	6
ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
NURS264	Reflection and Practice	Spring	6
NURS265	Nursing Therapeutics	Spring	6
NURS328	Management in Nursing	Spring	6
NURS363	Therapeutic Use of Self	Autumn	6
NURS364	Research Appreciation and Application	Autumn	6
NURS366	Community Health Nursing	Spring	6

Students may also choose a limited number of credit points from the General Schedule at the discretion of the Department.

Course Requirements for the course for Registered Nurses who hold a Diploma of Nursing, or equivalent

The number of candidates admitted to the course will be limited and applicants must be approved by the Head of the School of Nursing, Midwifery and Indigenous Health. Registered nurses with a Diploma of Nursing, or equivalent, are required to satisfactorily complete subjects with a value of at least 24 credit points, of which at least 12 credit points shall be for 300-level subjects and must include NURS364.

Course Program

Subjects		Session	Credit Points
NURS264	Reflection and Practice	Spring	6
NURS265	Nursing Therapeutics	Spring	6
NURS328	Management in Nursing	Spring	6
NURS363	Therapeutic Use of Self	Autumn	6
NURS364	Research Appreciation and Application	Autumn	6
NURS366	Community Health Nursing	Spring	6

Honours

The Bachelor of Nursing (Honours) provides exceptional nursing students with the opportunity to extend their knowledge and skills beyond the beginning level. There is an increasing need for graduates to develop more advanced and extensive knowledge in the discipline than can be attained in a pass degree. This need can be achieved by qualified candidates who have attained a level of scholarship at credit level or above in 300-level Nursing subjects, undertaking advanced coursework and research.

Professional Recognition

Graduates may apply for higher positions in management and other specialised areas within the discipline of nursing.

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Bachelor of Psychology

Testamur Title of Degree:	Bachelor of Psychology
Abbreviation:	BPsyc
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Normally Autumn session
Location:	Wollongong
UOW Course Code:	866
UAC Code:	757652
CRICOS Code:	026184F

Overview

Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.

The Bachelor of Psychology offered by the University of Wollongong is a four year undergraduate Honours degree accredited by the Australian Psychological Society (APS). The Bachelor of Psychology is a route to Postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a Psychologist with the Psychologists' Registration Board of New South Wales, a post degree supervision period also being required.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5, with at least 6.0 in reading, writing, speaking and listening.

Course Requirements

For students entering at 100-level, continuation in the course requires (in the psychology subjects approved for the degree), an average result of at least 70% at the end of 100-level, a cumulative average of 70% for 100 & 200-level subjects at the end of 200-level, and a cumulative average of 70% for 200 & 300-level subjects at the end of 300-level.

Course Program

Subjects (by year)		**Session**	Credit Points
PSYC121	Foundations in Psychology A	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
PSYC249	Applied Psychology	Autumn	6
PSYC250	Quantitative Methods		6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC347	Assessment and Intervention	Autumn	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC354	Design and Analysis	Spring	8
Plus three elective subjects at 300-level, including at least one of the following:			
PSYC345	Advanced Topics in Cognition	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC315	Psychology of Abnormality	Spring	8
PSYC318	Change Throughout the Lifespan	Spring	8

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PSYC350	Social Behaviour and Individual Differences	Not offered in 2007	8

In addition, a further 42 credit points across 100-, 200- and 30- levels must be taken from the Health and Behavioural Sciences, Science or General Schedules. Students may include PSYC101 Introduction to Behavioural Science as an elective.

400-Level

Students will study in either the Honours or Non-Honours stream. Places within the Honours stream are limited, therefore entry will be on a competitive basis. All students who do not successfully gain entry into Honours will be enrolled in the Non-Honours stream provided they have satisfied the credit level performance to remain in the program.

Honours

The Honours program is made up of:

1.	PSYC410	Honours Empirical Thesis
2.	PSYC412	Honours Data Analysis
3.	PSYC485	Principles and Practices of Psychological Assessment
	Plus	
	Either:	
4.	PSYC413	Honours Theory
	And one of the optional subjects:	
5.	PSYC484	Social Psychology and Health
6.	PSYC489	Advanced Abnormal Psychology
7.	PSYC478	Child and Adolescent Psychology
	Or	
8.	PSYC414	Honours Theoretical Thesis

Candidates intending to complete Honours as part-time students will generally do PSYC412, PSYC485 plus PSYC414 or PSYC413 and one of the optional subjects in the first year, and PSYC410 in the second year.

Non-Honours

This program is made up of:

1.	PSYC478	Child and Adolescent Psychology
2.	PSYC479	Major Research Project
3.	PSYC484	Social Psychology and Health
4.	PSYC485	Principles and Practices of Psychological Assessment
5.	PSYC488	Contemporary Issues for Professional and Research Psychologists
6.	PSYC489	Advanced Abnormal Psychology

Professional Recognition

Our degrees are set up to meet the requirements of external bodies such as the APS and the NSW Registration Board, but for information about these professional bodies, their regulations, and about post university practice as a psychologist, please contact these bodies directly.

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Bachelor of Science

Testamur Title of Degree:	Bachelor of Science
Abbreviation:	BSc
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time of part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Normally autumn session
Location:	Wollongong
UOW Course Code:	749
UAC Code:	See UAC code under specific major
CRICOS Code:	020187G

Overview

The Bachelor of Science offered by the Faculty of Health and Behavioural Sciences, course code 749, offers students the opportunity to enrol in a major or double major in a number of disciplines, including Exercise Science, Nutrition, Population Health, and Psychology. Students also may choose a second major from outside the Faculty, such as Biology, Biostatistics, Chemistry, Human Geography, Management, Marketing and others.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. Some majors also assume that students have completed 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Course Requirements

The Bachelor of Science, Course code 749, is comprised of 144 credit points of subjects listed in the subject schedule for majors in the Faculty of Health and Behavioural Sciences, plus additional elective subjects chosen from the Health and Behavioural Sciences, Science or the General Schedules. For some double majors, more than 144 credit points of subjects may need to be completed. Subjects to a value of at least 90 credit points of subjects must be selected from the Health and Behavioural Sciences schedules. Students may undertake no more than 60 credit points of 100-level subjects.

Honours

The Bachelor of Science (Honours) is designed to provide students with skills to demonstrate excellence in research with a clear understanding of a research question in relation to current knowledge. The degree program fosters the following abilities and skills: plan, design and perform a research project; collect and analyse data; evaluate data; synthesise results and integrate with relevant ideas and concepts; communicate findings; and put relevant principles into practice.

Entry into the Bachelor of Science (Hons) requires the student to have attained at least a credit average in subjects undertaken during their undergraduate degree. The Postgraduate coordinator and prospective supervisor will determine whether a student's 300-level subjects are appropriate for entry into the Bachelor of Science (Hons). In addition, admission to the Bachelor of Science (Hons) will be dependent upon the availability of an appropriate supervisor, who must be identified by the applicant before applying for entry. Students considering enrolment in BSc(Hons) should first contact the Schools' Honours Coordinator.

Major Study Areas

- Exercise Science
- Exercise Science and Nutrition
- Nutrition
- Nutrition and Chemistry
- Population Health
- Population Health and Exercise Science
- Population Health and Human Geography
- Population Health and Indigenous Health
- Population Health and Marketing
- Population health and Nutrition
- Population Health and Psychology
- Population Health and Statistics

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- Psychology
- Psychology and Biology
- Psychology and Exercise Science
- Psychology and Nutrition

Exercise Science

UAC Code 757642

The Exercise Science major allows students to explore in-depth the area of exercise science through the study of anatomy, physiology, exercise physiology, exercise prescription and biomechanics. Students will gain an excellent understanding of the anatomical and physiological basis of human motion, and the effect of exercise, injury, and disease on human performance in sport, industry, and in daily living.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Exercise Science Major consists of 144 credit points, as outlined in the course structure below.

Double Majors

Students may undertake double majors in:

- Exercise Science and Nutrition
- Exercise Science and Management (Students should consult an academic adviser in both Faculties)
- Exercise Science and Psychology

Professional Recognition

Graduates may become full members of the Australian Association for Exercise and Sports Science (AAESS) although further study may be required to achieve professional accreditation.

Credit Towards Other Courses

This degree represents the first 3 years of the 4-year professional Bachelor of Exercise Science and Rehabilitation degree program. Graduates are trained to utilise exercise as an intervention to maintain health and fitness in healthy individuals.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS 101	Systemic Anatomy	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS 112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BMS 211	Foundations of Biomechanics	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS 203	Musculoskeletal Functional Anatomy	Spring	6
BMS 204	Introduction to Pathophysiology	Spring	6
BMS 242	Exercise Physiology	Spring	6
	Plus a further 6 cp from		
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
MGMT102	Business Communications	Autumn	6

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POP 101	Population Health – Current Health Issues and their Determinants	Autumn	6
POP 220	Mass Media and Population Health	Refer School	6
Year 3			
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
BMS 342	Advanced Exercise Physiology	Autumn	8
BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
	Plus a further 24 cp from:		
BMS 354	Practicum in Exercise Science#	Annual	8
BMS 302	Research Topics	Autumn/Spring	8
BMS 344	Cardiorespiratory Physiology	Autumn	8
BMS 352	Fundamentals of Neuroscience	Autumn	8
BEXS403	Ergonomics in Practice	Autumn	8
BMS 300	Anatomy II Regional Anatomy	Spring	8
BMS 303	Research Topics in Exercise Science	Autumn	8
BMS 341	Clinical Biomechanics	Spring	8
BMS 345	Advanced Topics in Pathophysiology	Spring	8
BMS 346	Motor Control and Dysfunction	Spring	8
	Or other approved subjects		

Pre-requisite: BMS203, BMS242. This subject is for BSc (Exercise Science) and BSc (Exercise Science and Nutrition) students only.

Other Information

Within the degree of 144 credit points subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules.

Exercise Science and Nutrition

UAC Code 757646

The double major of Exercise Science and Nutrition represents the first 3 years of an integrated five-year nested undergraduate and postgraduate program of study. The Master of Science (Nutrition/Dietetics and Exercise Science) is designed to produce a combined Dietitian and Exercise Science practitioner, who has professional accreditation from both the Dietitians Association of Australia (DAA) and the Australian Association for Exercise and Sports Science (AAESS).

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Exercise Science and Nutrition Major consists of 150 credit points, as outlined in the course structure below.

Honours

See entry under Bachelor of Science

Professional Recognition

In order to obtain professional accreditation students must apply to complete a further two years of study within the Masters programme. Entry is competitive for placement Into the Masters programme. After completion of the Masters program (a total of 5 years study) students will be able to apply for professional accreditation from the DAA and AAESS.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS 101	Systemic Anatomy	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6

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BMS 112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BMS 211	Foundations of Biomechanics	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
BMS 203	Musculoskeletal Functional Anatomy	Spring	6
BMS 242	Exercise Physiology	Spring	6
BMS 210	Measurement and Assessment of Diet and Activity	Spring	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
POP 222	Current Issues in Food and Nutrition	Spring	6
Year 3			
BMS 310	Community and Public Health Nutrition	Autumn	8
BMS 311	Nutrients and Metabolism	Autumn	8
BMS 312	Research in Human Nutrition	Annual	8
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
BEXS352	Exercise Prescription 2: Aerobic Conditioning	Autumn	8
BMS 346	Motor Control and Dysfunction	Spring	8

Nutrition

UAC Code 757645

The major in Nutrition provides a general education in the study of human nutrition, with core areas of study including biochemistry, nutritional metabolism, and community and public health nutrition. The major is designed to meet the prerequisite requirements for admission to the Master of Science (Nutrition and Dietetics), and recognition by the Dietitians Association of Australia (DAA) as an Associate Member.

Students who have achieved a credit average in the first three years of this degree may be invited to transfer into the Bachelor of Nutrition and Dietetics.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level, and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading and writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Nutrition Major consists of 144 credit points, as outlined in the course structure below.

Honours

See entry under Bachelor of Science

Course Program

Subjects		Session	Credit Points
Year 1			
MGMT110	Introduction to Management	Autumn	6
or			
POP 101	Population Health – Current Health Issues and Their Determinants	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
or			
SOC 103	Aspects of Australian Society	Autumn	6

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or

ABST150	Introduction to Aboriginal Australia	Autumn	6
BMS 112	Human Physiology I: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
POP 202	Promoting Healthy Lifestyles	Autumn	6
POP 222	Current Issues in Food and Nutrition	Spring	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BMS 210	Measurement and Assessment of Diet and Activity	Spring	6
Plus a further 6 cp from			
BMS 204	Introduction to Pathophysiology	Spring	6
POP 203	Health Policy	Spring	6
POP 204	Epidemiology	Spring	6
MARK213	Marketing Principles	Spring	6
MGMT311	Management of Change	Spring	6
MGMT398	Human Resource Management	Spring	6
Or other approved subjects			
Year 3			
BMS 311	Nutrients and Metabolism	Autumn	8
BMS 310	Community and Public Health Nutrition	Autumn	8
BMS 312	Research in Human Nutrition	Autumn	8
BMS 314	Nutrition and Food Innovation B	Spring	8
Plus a further 16 cp from:			
BMS 302	Research Topics	Spring	8
BMS 345	Advanced Topics in Pathophysiology	Spring	8
POP 332	Population Health Project B	Spring	8
POP 325	Aboriginal Health Issues	Spring	8
STS 335	The Politics of Risk	Spring	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
Or other approved subjects			

Nutrition and Chemistry

This 144 credit point program of study fulfils the requirement for a double major in Nutrition and Chemistry. The subjects are mostly selected from the Faculty of Health and Behavioural Sciences and the Sciences Schedules.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level, and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking.

Alternative pathways exist for mature age domestic students.

Course Program

Subjects		Session	Credit Points
Year 1			
MGMT110	Introduction to Management	Autumn	6
	Or		

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POP 101	Population Health – Current Health Issues and Their Determinants	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
	Or		
SOC 103	Aspects of Australian Society	Autumn	6
	Or		
ABST150	Introduction to Aboriginal Australia	Autumn	6
BMS 112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM215	Food Chemistry	Autumn	6
POP 222	Current Issues in Food and Nutrition	Spring	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
Year 3			
BMS 311	Nutrients and Metabolism	Autumn	8
BMS 310	Community and Public Health Nutrition	Autumn	8
Plus a further 8 cp from:			
BMS 312	Research in Human Nutrition	Autumn	8
BMS 300	Anatomy II Regional Anatomy	Spring	8
BMS 302	Research Topics	Spring	8
BMS 314	Nutrition and Food Innovation B	Spring	8
BMS 345	Advanced Topics in Pathophysiology	Spring	8
BMS 346	Motor Control and Dysfunction	Spring	8
Plus a further 24 cp from:			
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM327	Environmental Chemistry	Autumn	8
CHEM330	Medicinal Chemistry	Spring	8
CHEM340	Chemistry Laboratory Project	Autumn/Spring	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
	Or other approved subjects		

Other Information

Students are advised to consult an academic adviser in each discipline about subject selection

Population Health

UAC Code 757648

The Bachelor of Science (Population Health) aims to train students in skills to obtain, review and analyse health information, to plan and manage a health project and to improve the health of populations. The program is designed to do two main things. Firstly, students will learn the basics of the health sector and develop an understanding of the problems involving health, illness, treatment and welfare.

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Secondly, some useful skills are developed such as analysing information, researching with people, developing policy, project management and writing for a range of purposes, such as report writing and writing for the media. This means that when you graduate, there are many possibilities with regard to jobs, especially if you take population health in conjunction with another specialty area, such as psychology, nutrition, exercise science, statistics, economics or politics.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level.

International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Population Health major consists of 88 credit points as outlined in the course structure below, together with other subjects which may be selected from the Health & Behavioural Sciences, Science or General Schedules, to make up the 144 credit points required for the degree. At least 90 credit points must be chosen from subjects offered by the Faculty of Health and Behavioural Sciences and the Faculty of Science Schedules.

Double Majors

Students may undertake a double major in:

- Population Health and Exercise Science
- Population Health and Human Geography
- Population Health and Indigenous Health
- Population Health and Marketing
- Population Health and Psychology
- Population Health and Statistics

Honours

See entry under Bachelor of Science

Course Program

Subjects		Session	Credit Points
100 Level			
BMS 103	Human Growth Nutrition and Exercise	Autumn	6
POP 101	Population Health – Current Issues and their Determinants	Autumn	6
STAT151	Introduction to the Concepts & Practice of Statistics	Spring	6
and one of			
ABST150	Introduction to Aboriginal Australia	Autumn/ Spring	6
Or			
POP 103	Introduction to Health Behaviour Change	Spring	6
200 Level			
POP 201	Contemporary Population Health Issues	Autumn	6
POP 202	Promoting Healthy Lifestyles	Autumn	6
POP 203	Health Policy	Spring	6
POP 204	Epidemiology	Spring	6
300 Level			
POP 301	Project and Program Design, Management and Evaluation	Autumn	8
POP 302	Analysis and Interpretation of Evidence	Autumn	8
POP 331	Population Health Project A**	Not offered in 2008	24
or			
POP 332	Population Health Project B*	Spring	8

* Students taking a joint major with another specialisation should take POP332 Population Health Project B.

**Requires a credit average in core population health subjects

Note – students can include additional subjects in Population Health in their degree, including:

POP 325	Aboriginal Health Issues	Spring	8

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POP 222	Current issues in food and nutrition	Spring	6
BM 310	Community and Public Health Nutrition	Autumn	8

Other Information

Double degree programs (e.g. with commerce or nursing) are also possible.

Population Health and Exercise Science

UAC Code 757648

The double major comprises a minimum of 144 credit points, 60 credit points of subjects in the Population Health major and 84 credit points of subjects in the Exercise Science major.

This program is not designed for students intending a career in 'hands-on' exercise prescription or fitness training. Students would not be eligible for AESS accreditation.

This double major meets the needs of students who are interested in working in health promotion, especially the development, management and evaluation of community-based physical activity programs. It combines public and population health approaches with a sound understanding of the science of exercise and physical activity

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level, and 4 units of Science and/or Maths.

International students are required to have achieved and IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking

Alternative pathways exist for mature age domestic students.

Course Program

100 level			
BMS 103	Human Growth Nutrition and Exercise	Autumn	6
POP 101	Population Health – current health issues & and their determinants	Autumn	6
BMS 101	Systemic Anatomy	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science*	Autumn	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
BMS 112	Human Physiology I	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
*Pre-requisite for PSYC216 in Year 2			
200 level			
BMS 202	Human Physiology II: Control mechanisms	Autumn	6
BMS 211	Foundations of Biomechanics	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS 203	Musculoskeletal Functional Anatomy	Spring	6
BMS 242	Exercise Physiology	Spring	6
POP 204	Epidemiology	Spring	6
POP 201	Contemporary Population Health Problems	Autumn	6
or			
POP 202	Promoting Healthy Lifestyles	Autumn	6
And either			
POP 203	Health Policy	Spring	6
or			
POP 103	Introduction to Health Behaviour Change (if POP202 not taken in Autumn Session)	Spring	6
300 level			
POP 301	Project and Program Design, Management and Evaluation	Autumn	8

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POP 302	Analysis and Interpretation of Evidence	Autumn	8
POP 332	Population Health Project B	Spring	8
BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
BMS 300	Regional Anatomy	Spring	8

Population Health and Human Geography

UAC Code 757648

The double major in Population Health and Human Geography consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in Human Geography at the end of the double major degree, additional subjects are required. Students should consult the entry in the Faculty of Science section of the Handbook, and consult an academic adviser in Earth & Environmental Sciences.

The double major in Population Health and Human Geography enables students to pursue two options for their career or further study. The combination of majors is particularly relevant for students who may wish to work in rural or community development or local level social/health policy and planning, for example within local governments.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths.

International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Course Program

Subjects		Session	Credit Points
100 Level			
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
POP101	Population Health – Current Health issues and their Determinants	Autumn	6
SOC103	Aspects of Australian Society	Autumn	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
EESC104	The Human Environment: Problems and Change	Spring	6
SOC104	Communication, Media and Society	Spring	6
and one of			
ABST150	Introduction to Aboriginal Australia	Autumn	6
Or			
POP103	Introduction to Health Behaviour Change	Spring	6
plus one elective			
200 Level			
POP201	Contemporary Population Health Issues	Autumn	6
POP202	Promoting Health Lifestyles	Autumn	6
EESC205	Population Studies	Autumn	6
SOC242	Contemporary Issues in Society	Autumn	8
POP204	Epidemiology	Spring	6
EESC204	Introduction to Spatial Science	Spring	6
EESC210	Social Spaces: Rural and Urban	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
300 Level			
POP301	Project and Program Design, Management and Evaluation	Autumn	8
POP302	Analysis and Interpretation of Evidence	Autumn	8
EESC307	Spaces, Places and Identities	Autumn	8
POP332	Population Health Project B	Spring	8
and two of			

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EESC350	Directed Studies in Earth and Environmental Sciences	Spring	8
EESC304	Geographic Information Science	Spring	8
EESC308	Environmental and Heritage Management	Spring	8

Population Health and Indigenous Health

UAC Code 757648

Students must complete at least 72 credit points in the Population Health major and at least 72 credit points in the Indigenous Health major for a total of at least 144 credit points.

This double major in Population Health and Indigenous Health provides an opportunity for students undertaking the Population Health major to complete a second major in Indigenous Health. An in-depth understanding of Indigenous Health issues and the development of public health programs that are appropriate for indigenous Australians is important for those working in public health generally. The health of Aboriginal people is a major challenge for public health in Australia. The Population Health program offers Indigenous Health program students with an interest in working in the Aboriginal community additional skills in epidemiology, evidence-based approaches, project managements, and health promotion.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level.

International students are required to have achieved and IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking

Alternative pathways exist for mature age domestic students.

Course Program

100 level

POP 101	Population Health – Current Health Issues & and Their Determinants	Autumn	6
BMS 103	Human Growth Nutrition and Exercise	Autumn	6
ABST150	Introduction to Aboriginal Australia (or Spring for students undertaking EDUF111)	Autumn	6
NMIH101	Effective Communication in Health Care Relationships	Autumn	6
STAT151	Introduction to the Concepts & Practice of Statistics	Spring	6
POP 103	Introduction to Health Behaviour Change	Spring	6

Plus 12 credit points of elective subjects chosen with advice of Indigenous Health coordinator.

Students considering Grad Dip Educ should complete-:-

EDUF111	Education I	Autumn	6
EDUF212	Education II	Spring	6

200 level

POP 201	Contemporary Population Health Issues	Autumn	6
POP 202	Promoting Healthy Lifestyles	Autumn	6
ABST200	Aboriginal History Since Invasion	Autumn	8
POP 203	Health Policy and Service Structure	Spring	6
POP 204	Epidemiology	Spring	6
And either			
NURS242	Functional Community Structures	Autumn	6
or			
NURS240	Current Services in Aboriginal Health	Autumn	6
plus			
ARTS211	Social Science Perspectives on Health and Illness	Spring	6
NURS243	Comparative Indigenous Health Issues	Spring	6

300 level

POP 301	Project and program design, management and evaluation	Autumn	8
POP 302	Analysis and interpretation of evidence	Autumn	8

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NURS341	Research in Indigenous Health	Autumn	6
POP 332	Population health project B	Spring	8
POP 325	Indigenous Health Issues	Spring	8
ABST300	Indigenous Theories of De-colonisation	Spring	8
Plus one of the following subjects:-			
NURS327	Health and Human Ecology	Spring	6
NURS343	Community Health Development: Theory, Research and Practice	Spring	6

Population Health and Marketing

UAC Code 757648

The double major requires 66 credit points in the Population Health major and 48 credit points in the Marketing major (plus prerequisite subjects totalling 12 credit points), with an additional 18 credit points of elective subjects to total 144 credit points for the degree.

This double major meets the needs of these students who are interested in working in health promotion with an emphasis on health communication, as well as the development, promotion, management and evaluation of community-based health programs. It may also be relevant to students interested in following a career in health services marketing in the private and public sphere.

The double major is also a first degree for students interested in pursuing Honours and postgraduate research studies in these areas.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level.

International students are required to have achieved and IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking

Alternative pathways exist for mature age domestic students.

Course Program

100 level

POP 101	Population Health – Current Health Issues & and Their Determinants	Autumn	6
BMS 103	Human Growth Nutrition and Exercise	Autumn	6
MARK101	Marketing Principles	Autumn	6
POP 103	Introduction to Health Behaviour Change	Spring	6
COMM121	Quantitative Methods I	Spring	6
Plus elective subjects to the value of 18 credit points, 6 credit points in Autumn Session and 12 credit points in Spring Session.			
200 level			
POP 201	Contemporary Population Health Issues	Autumn	6
POP 202	Promoting Healthy Lifestyles	Autumn	6
POP 203	Health Policy and Service Structure	Spring	6
POP 204	Epidemiology	Spring	6
MARK201	Applied Marketing Research A	Autumn	6
MARK217	Consumer Behaviour	Autumn	6
MARK202	Applied Marketing Research B	Spring	6
MARK270	Services Marketing	Spring	6
300 level			
POP 301	Project and Program Design, Management and Evaluation	Autumn	8
POP 302	Analysis and Interpretation of Evidence	Autumn	8
MARK333	Marketing Communications	Autumn	6
MARK320	Social Marketing	Autumn	6
POP 332	Population Health Project B	Spring	8
MARK301	Internet Applications for Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6

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Population Health and Nutrition

UAC Code 757648

The double major comprises 144 credit points, 66 credit points of subjects in the Population Health major and 78 credit points of subjects in the Nutrition major.

This double major meets the needs of students who are interested in working in health promotion, especially the development, management and evaluation of community-based nutrition and food policy programs. It combines public and population health approaches with a sound understanding of the science of nutrition. Diet and nutrition have become increasingly important for the Australian population and public health.

Students wishing to proceed into the Dietetics program should seek advice from the Nutrition coordinator in the School of Health Sciences.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level, and 4 units of Science and/or Maths.

International students are required to have achieved and IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking

Alternative pathways exist for mature age domestic students.

Course Program

100 level			
BMS103	Human Growth Nutrition and Exercise	Autumn	6
POP101	Population health – Current Health issues & and their Determinants	Autumn	6
COMM121	Quantitative Methods I	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
POP103	Introduction to Health Behaviour Change	Spring	6
BMS112	Human Physiology I	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
200 level			
POP202	Promoting Healthy Lifestyles	Autumn	6
CHEM215	Food Chemistry	Autumn	6
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
POP222	Current Issues in Food and Nutrition	Spring	6
BMS210	Measurement and Assessment of Diet and Activity	Spring	6
BIOL214	Biochemistry of Energy and Metabolism	Spring	6
POP204	Epidemiology	Spring	6
300 level			
POP302	Analysis and Interpretation of Evidence	Autumn	8
BMS310	Community and Public Health Nutrition	Autumn	8
BMS311	Nutrients and Metabolism	Autumn	8
POP332	Population Health Project B	Spring	8
POP325	Aboriginal Health Issues	Spring	8
BMS314	Nutrition and Food Innovation B	Spring	8

Population Health and Psychology

UAC Code 757648 for BSc or 757651 for BA

The double major in Population Health and Psychology enables students to pursue two options for their career or further study. Students may progress to advanced level study such as honours or postgraduate courses in either field. In addition, the combination of majors will enable graduates to apply for jobs in specialist areas of population health, such as lifestyle counselling or conduction lifestyle management programs.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level.

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International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking.

Alternative pathways exist for mature age domestic students.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW, it is necessary to complete an accredited 4-year course of study plus 2 years' supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Double Major

The double major in Population Health and Psychology consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in Psychology at the end of the double major degree, additional subjects are required. Students should consult the information on Honours in the entry for the Psychology major.

Course Program

Subjects		Session	Credit Points
100 Level			
ABST150	Introduction to Aboriginal Australia	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
PSYC121	Foundations of Psychology A	Autumn	6
POP 101	Population Health – current health issues and their determinants	Autumn	6
POP 103	Introduction to Health Behaviour Change	Spring	6
PSYC122	Foundations of Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
and one elective			
200 Level			
POP 201	Contemporary Population Health Issues	Autumn	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC250	Quantitative Methods	Autumn	6
POP 203	Health Policy	Spring	6
POP 204	Epidemiology	Spring	6
PSYC236	Cognition and Perception	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
Note: Psychology Honours also requires that PSYC248 Statistics and Measurement 2 be taken.			
300 Level			
POP 301	Project and Program Design, Management and Evaluation	Autumn	8
POP 302	Analysis and Interpretation of Evidence	Autumn	8
PSYC347	Assessment and Intervention	Autumn	8
POP 332	Population Health Project B	Spring	8
And two electives, of which there must be at least one of the following:			
PSYC345	Advanced Topics in Cognition	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include			
PSYC315	Psychology of Abnormality	Spring	8
PSYC350	Social Behaviour and Individual Differences	Not offered in 2007	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC354	Design and Analysis	Spring	8

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Note: Students wishing to take Psychology Honours should consult the information on Honours listed under the single Major, Psychology, to ensure they complete the required subjects.

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules. Subjects to the value of 144 credit points are required for the degree.

Population Health and Statistics

UAC Code 757648

The double major in Population Health and Statistics enables students to pursue two options for their career or further study. The combination of majors is particularly relevant for students who may wish to work in the area of health surveillance, survey work, research or health services planning. This combination of study areas is unique to the University of Wollongong and reflects an area of high demand in the population health field.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level.

International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking.

Alternative pathways exist for mature age domestic students.

Students should consult the information in the Informatics Faculty Handbook concerning 'Assumed Knowledge' and 'Recommended Studies' for entry into the Statistics major.

Double Major

The double major in Population Health and Statistics consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in statistics at the end of the double major degree, additional subjects are required.

Course Program

Subjects		Session	Credit Points
100 Level			
POP 101	Population Health – current health issues and their determinants	Autumn	6
BMS 103	Foundations of Human Growth, Nutrition and Exercise	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
POP 103	Introduction to Health Behaviour Change	Spring	6
ABST150	Introduction to Aboriginal Australia	Spring	6
Plus one elective			
200 Level			
POP 201	Contemporary Population Health Issues	Autumn	6
POP 202	Promoting Healthy Lifestyles	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
POP 203	Health Policy	Spring	6
POP 204	Epidemiology	Spring	6
STAT232	Estimation and Hypothesis Testing	Spring	6
Plus one elective			
And at least one 200-level MATH subject (MATH201, MATH202, MATH203, MATH204, MATH212, MATH222, MATH291, MATH292, MATH293 or MATH294)			
300 Level			
POP 301	Project and Program Design, Management and Evaluation	Autumn	8
POP 302	Analysis and Interpretation of Evidence	Autumn	8
STAT304	Operations Research and Applied Probability	Autumn	6
POP 332	Population Health Project B	Spring	8
STAT333	Statistical Inference and Multivariate Analysis	Spring	6

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STAT332	Multiple Regression and Time Series	Spring	6
and			
STAT335	Sample Surveys and Experimental Design	Autumn	6
or			
STAT355	Sample Surveys and Experimental Design (with project)	Autumn	8

Psychology

UAC Code 757651

Single Major

Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

Students of the Bachelor of Science will complete the program of study outlined below for a major in Psychology. Additional subjects should be taken in line with the degree requirements to complete the degree.

Double Majors

Students may undertake a double major in:

- Population Health and Psychology
- Psychology and Biology
- Psychology and Exercise Science
- Psychology and Nutrition

Honours

Honours in Psychology is a fourth year of study accredited by the Australian Psychological Society (APS). It is offered on a one year full-time or two year part-time basis. Psychology Honours is a route to the Postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a Psychologist with the Psychologist's Registration Board of New South Wales - a post degree supervision period also being required. Graduates of the University of Wollongong with a major in Psychology are eligible for admission to Psychology Honours provided that: they have completed an undergraduate degree curriculum with a major in psychology; they have completed PSYC249 Applied Psychology, PSYC348 History and Metatheory of Psychology and PSYC354 Design and Analysis; they have completed at least 76 credit points of Psychology subjects at 200- and 300- levels; they have at least a credit average for Psychology subjects at 200- and 300- levels.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW it is necessary to complete an accredited 4-year course of study plus 2 years supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

Subjects		Session	Credit Points
PSYC121	Foundations in Psychology A	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
PSYC231	Personality	Autumn	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC250	Quantitative Methods	Autumn	6
PSYC347	Assessment and Intervention	Autumn	6

And two electives, of which there must be at least one of the following:

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PSYC345	Advanced Topics in Cognition	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC315	Psychology of Abnormality	Spring	8
PSYC350	Social Behaviour and Individual Differences	N/O 2008	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC354	Design and Analysis	Spring	8

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules. Subjects to the value of 144 credit points are required for the degree.

Psychology and Biology

To complete requirements for the double major in Psychology and Biology, students are required to complete a minimum of 150 credit points of subjects, as outlined in the schedule below.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Honours

Students must complete additional Psychology subjects if they wish to undertake Honours in Psychology. Students should consult the information under Honours in the entry on the Psychology major.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW it is necessary to complete an accredited 4 year course of study plus 2 years supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

Subjects		Session	Credit Points
Year 1			
PSYC121	Foundations in Psychology A	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM102	Chemistry 1B	Spring	6
And one Elective subject		Autumn	6
Year 2			
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC250	Quantitative Methods	Autumn	6
Plus 4 subjects (24 credit points) from the following:			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6

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BIOL251	Principles of Ecology and Evolution	Autumn	6
MARE200	Introduction to Oceanography	Autumn	6
Year 3			
PSYC347	Assessment and Intervention	Autumn	8
And two electives, which must include at least one of the following:			
PSYC345	Advanced Topics in Cognition	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC315	Psychology of Abnormality	Autumn	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC350	Social Behaviour and Individual Differences	N/O 2008	8
PSYC354	Design and Analysis	Spring	8
Plus three subjects (24 credit points) from the following:			
BIOL303	Biotechnology: Applied Cell & Molecular Biology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL321	Infection and Immunity	Spring	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
BIOL391	Advanced Biology	Autumn/ Spring/ Summer	8
BIOL392	Advanced Biology	Autumn/Spring/ Summer	16
CHEM320	Bioinformatics: From Genome to Structure	Spring	8

Other Information

Students are advised to consult an academic adviser in each discipline about subject selection. Students intending to qualify for an Honours year in Psychology should complete the extra subjects required. Consult the information on Honours under Bachelor of Science (Psychology).

Psychology and Exercise Science

The Psychology and Exercise Science major gives students an opportunity to broaden their expertise, adding a relevant second major to their core focus. The degree requires a minimum of 3 years of full-time study, and the completion of at least 150 credit points as outlined in the Schedule below.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Honours

Students may consider Honours in either Psychology or Exercise Science. Students should consult the information on Honours under the Bachelor of Science.

Professional Recognition

The double major is designed to meet the requirements for entry into Year 4 of the Psychology program within the School of Psychology, and the Honours program in the School of Health Sciences.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS 101	Systemic Anatomy	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC121	Foundations of Psychology A	Autumn	6

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BMS 112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
PSYC122	Foundations of Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BMS 203	Musculoskeletal Functional Anatomy	Spring	6
BMS 211	Foundations of Biomechanics	Autumn	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
BMS 242	Exercise Physiology	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC236	Cognition and Perception	Spring	6
PSYC250	Quantitative Methods	Autumn	6
Year 3			
BMS 342	Advanced Exercise Physiology	Autumn	8
BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
PSYC347	Assessment and Intervention	Autumn	8
And two electives which must include at least one of the following:			
PSYC345	Advanced Topics in Cognition	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC315	Psychology of Abnormality	Spring	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Not offered in 2007	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8
PSYC354	Design and Analysis	Spring	8

Students should consult an academic adviser in each program about appropriate sequencing of subjects.

Other Information

Students intending to qualify for an Honours year in Psychology should complete the extra subjects required. Consult the information on Honours under Bachelor of Science (Psychology).

Psychology and Nutrition

This degree is designed to meet the requirements for entry into Year 4 of the Psychology or the Honours program within the School of Health Sciences. The double major has a minimum requirement of 150 credit points of subjects as outlined in the Schedule below.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 with at least 6.0 in reading, writing, listening and speaking. Alternative pathways exist for mature age domestic students.

Honours

Students intending to undertake Honours in Psychology should complete the extra subjects required and should consult the information on Honours listed under the Bachelor of Science (Psychology) major.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS 101	Systemic Anatomy	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6

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CHEM101	Chemistry 1A	Autumn	6
PSYC121	Foundations of Psychology A	Autumn	6
BMS 112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
PSYC122	Foundations of Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
PSYC231	Personality	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC234	Biological Psychology and Learning	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC250	Quantitative Methods	Autumn	6
Further elective:			
PSYC249	Applied Psychology	Spring	6
Year 3			
BMS 311	Nutrients and Metabolism	Autumn	8
BMS 310	Community and Public Health Nutrition	Autumn	8
BMS 312	Research in Human Nutrition	Annual	8
PSYC347	Assessment and Intervention	Autumn	8
Plus two electives which must include at least one of the following:			
PSYC345	Advanced Topics in Cognition	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC347	Assessment and Intervention	Autumn	8
PSYC348	History and Metatheory of Psychology	Autumn	8
PSYC350	Social Behaviour and Individual Differences	Not offered in 2007	8
PSYC354	Design and Analysis	Spring	8

Other Information

The BSc (Psychology and Nutrition) will normally require a minimum of 6.5 sessions or 3½ years full-time, or part-time equivalent. Students should consult an academic adviser in each program about appropriate sequencing of subjects. Students intending to qualify for an Honours year in Psychology should complete the extra subjects required. Consult the information on Honours under Bachelor of Science (Psychology).

Double Degrees

- Bachelor of Medical Science - Bachelor of Commerce
- Bachelor of Psychology – Bachelor of Commerce
- Bachelor of Science (Exercise Science) - Bachelor of Commerce
- Bachelor of Science (Nutrition) - Bachelor of Commerce
- Bachelor of Science (Psychology) - Bachelor of Commerce
- Bachelor of Science - Bachelor of Laws (Health and Behavioural Sciences Major)
- Bachelor of Medical Science - Bachelor of Laws
- Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science) – Refer to Faculty of Engineering

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Students may combine their Health and Behavioural Sciences studies with studies in a number of other faculties, and qualify for the award of two degrees. Double degrees are designed to allow students to complete two degrees in less time than it would normally take. Double degrees are offered with Commerce and Law, and may be available with other faculties after consultation with the Sub-Deans.

- Students must seek advice and approval from both faculties.
- Candidates must satisfy the entry requirements of both degree programs.
- Double degrees, where both degrees are normally of three years duration, will be a minimum of 216 credit points and take a minimum of four years to complete.
- Double degrees, where one of the degrees is normally of four years duration, will be a minimum of 264 credit points and take a minimum of five years to complete.
- Students may be given exemptions where equivalences exist between subjects.

For all double degrees, candidates are required to complete subjects from the Health and Behavioural Sciences schedule including core subjects, and subjects to satisfy the requirements of one of the Health and Behavioural Sciences majors or degrees. Candidates should be aware that the number of credit points required by each major varies. Candidates must also satisfy the requirements for the second degree, which would usually include a major study.

Degrees with TAFE NSW

Bachelor of Medical Science
TAFE Diploma of Laboratory Techniques (Pathology Testing)*

Testamur Title of Degree:	Bachelor of Medical Science TAFE Diploma of Laboratory Techniques (Pathology Testing)
Abbreviation:	BMedSc
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	144 cp UOW; TAFE (currently under review)
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	787
UAC Code:	757641
CRICOS Code:	036458B

* Note this course is currently under review

Overview

The double award of Bachelor of Medical Science/TAFE Diploma of Laboratory Techniques (Pathology Testing), provides opportunities for improved vocational outcomes, and the development of practical skills through simultaneous enrolment in the university degree and the TAFE diploma.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5, with a level of 6 in reading, writing, speaking and listening.

Students in the Bachelor of Medical Science can elect to enter this combined program after 2 years of study.

Recommended Study: See Bachelor of Medical Science.

Course Requirements

The Bachelor of Medical Science/TAFE Diploma of Laboratory Techniques (Pathology Testing) is currently under review. Full details will be available by early 2008.

Course Program

Currently under review. It is expected that a detailed course program will be available in early 2008.

Honours

Students wishing to proceed to Honours enrol in the Bachelor of Medical Science (Honours). Students should consult the information listed under the Bachelor of Medical Science.

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Professional Recognition

Graduates may become members of the Australian Institute of Medical Scientists (AIMS).

Other Information

Students are advised to consult the course coordinator about subject selection and enrolment in the TAFE component.

Arthur Jenkins
School of Health Sciences
Email: arthur_jenkins@uow.edu.au

Bachelor of Nutrition and Dietetics TAFE Certificate IV in Hospitality (Catering Operations)

Testamur Title of Degree:	Bachelor of Nutrition and Dietetics TAFE Certificate IV in Hospitality (Catering Operations)
Abbreviation:	BNutrDiet
Home Faculty:	Health and Behavioural Sciences
Duration:	5 years full-time
Total Credit Points:	192 cp plus 764 hrs TAFE
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	865
UAC Code:	757647
CRICOS Code:	026811F

Overview

This 5-year program allows students to graduate with both a Bachelor of Nutrition and Dietetics, and the TAFE Certificate IV in Hospitality (Catering Operations). Undertaking the two programs separately would normally take 6 years.

Graduates would be eligible for membership of the Dietitians Association of Australia (DAA) and to practice as professional Dietitians. Graduates also would be eligible to be members of the Institute of Hospitality and Healthcare.

Prospective students should consult the Course Coordinator about their enrolment.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 (minimum) for reading, writing, speaking and listening.

Other Information

Students are advised to consult the course coordinator about subject selection and enrolment in the TAFE component.

For information on Criminal record checks and infectious diseases, refer to the Additional Information section.

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Bachelor of Science (Nutrition)
TAFE Certificate IV in Hospitality (Catering Operations)

Testamur Title of Degree:	Bachelor of Science (Nutrition) TAFE Certificate IV in Hospitality (Catering Operations)
Abbreviation:	BSc(Nutr)
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	124 cp UOW; 764 hr TAFE
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	749
UAC Code:	757645
CRICOS Code:	Not applicable

Overview

The Bachelor of Science (Nutrition)/TAFE Certificate IV in Hospitality (Catering Operations) combined program provides a sound training in nutritional science and its applications to human nutrition, as well as practical food service management skills.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. Recommended Studies: English Advanced. International students are required to have achieved an IELTS score of 6.5, with a level of 6 in reading, writing, speaking and listening.

Course Requirements

The Bachelor of Science (Nutrition)/TAFE Certificate IV in Hospitality (Catering Operations) combined program, requires students to undertake 4 years of full-time study, the completion of at least 124 credit points from the University of Wollongong, and 764 hours at TAFE

Honours

See entry under Bachelor of Science

Professional Recognition

Graduates would be eligible to be members of the Institute of Hospitality and Healthcare.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS 101	Systemic Anatomy	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
	or		
SOC 103	Aspects of Australian Society	Autumn	6
BMS 103	Foundations of Human Growth, Nutrition and Exercise	Autumn	6
BMS 112	Human Physiology 1: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B	Spring	6
4500H	Hygiene		18 hr
4501M	Food Safety Systems		18 hr
4781C	Food Service Systems		36 hr
Year 2			
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6

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CHEM215	Food Chemistry	Autumn	6
MGMT102	Business Communications	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
POP 222	Current Issues in Food and Nutrition	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
4500B	Food Preparation and Service		36 hr
4565A	Practical Catering 1		84 hr
Year 3			
BMS 310	Community and Public Health Nutrition	Autumn	8
BMS 311	Nutrients and Metabolism	Autumn	8
4565G	Food Service in Practice		90 hr
PHIL380	Bioethics	Spring	8
2642B	Supervision		36 hr
4567A	Catering Supervision in Practice		90 hr
2643D	Staffing Hospitality		27 hr
4571A	Hospitality Colleagues and Customers		24 hr
4571B	Hospitality Industry		18 hr
Year 4			
BMS 312	Research in Human Nutrition	Autumn	8
4566A	Practical Catering 2A – Community		36 hrs
4565D	Cook-Chill Catering		27 hr
4501D	Food Service Settings – Aged Care		18 hr
4564A	Catering Commodities		18 hr
6639C	Quality Management in Nutrition Services		18hr
6639A	Administration-Health Care Facilities		36 hr
BMS 304	Research Topics in Nutrition and Dietetics	Spring	16
5779F	Food Presentation		10 hr
6634B	Food Service Planning		36 hr
6635A	Australian Cuisine		54 hr
4501K	Work Experience		34 hr

Other Information

Students are advised to consult the course coordinator about subject selection and enrolment in the TAFE component.

Additional Information

Criminal Record Checks

As part of the 'whole of government' approach to child protection, the NSW Department of Health requires all students in health related courses to undergo a criminal record check. The criminal record check shall be completed before a student can attend any clinical placement in a Public Health facility. Students need to give their consent to such a check, and will submit a signed consent form through their university. Consent forms are available from universities. Checks are done through the NSW Police Service, and coordinated by the Department of Health. At present there is no cost to either the student or university for this service. When the check is completed the student will be issued with a Clearance Letter, which has to be produced whenever they attend a clinical placement. The Letter must not be photocopied or duplicated in any way. Lost, mislaid or mutilated Clearance Letters are replaced on application from the student with payment of a fee. If a student receives a positive result from the check it will not necessarily exclude them from a clinical placement. Each situation will be individually assessed in a confidential consultation between the student and a representative of the Department of Health.

An additional requirement came into effect with new child protection legislation enacted in July 2000. The university will provide another form to the student called the Prohibited Employment Declaration. The Declaration must also be

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completed before any clinical placement. The completed and signed declaration is returned to the university and will be held by us. The Health Department does not issue or administer this form.

Infectious Diseases

Students required to complete clinical training in the NSW hospital system will be subject to various guidelines and procedures laid down for health workers by the NSW Department of Health, including guidelines regarding infectious diseases. In the hospital system, you will be exposed to a large number and variety of individuals, some of whom may have a communicable disease such as tuberculosis, measles, mumps, rubella, diphtheria, poliomyelitis, HIV or Hepatitis B. This may place you at risk of acquiring one of these diseases. In other cases, if you have a communicable disease, you may place your clients at risk.

For your protection, and for the protection of your potential clients, you are recommended to have vaccinations before you begin clinical work. Evidence of your vaccination status may be required by certain clinical placements/agencies before attendance. If your vaccinations are incomplete, opportunities for placement may be limited and your progress in the course could be affected. Some categories of health care workers – nurses, doctors, dentists, dental technicians, podiatrists and physiotherapists – also have regulated individual responsibility with regard to infection control. You should familiarise yourself with these responsibilities.

Health care workers who are either HIV antibody positive or Hepatitis B e-antigen or Hepatitis B DNA positive or Hepatitis C PCR positive must not perform exposure-prone procedures. Expert medical advice should be obtained by infected people on their infectious status and the extent to which this may limit their clinical practice.

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SUBJECT DESCRIPTIONS

ARTS211 Social Science Perspectives on Health and Illness

Autumn Bega Flexible
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: SOC111
Subject Description: Australian society provides the context for an examination of the major perspectives that inform the analysis of the social power relations that shape patterns of health and illness and the provision of health care services. Students will apply the theoretical frameworks to contemporary issues in health and illness including the introduction of new technologies, the practical meanings of care for different health professions and representations of health and illness in the popular media. The focus on small group learning activities means students have an opportunity to share knowledge and develop their ideas together.

BEXS351 Exercise Prescription 1: Strength and Conditioning

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS203 and BMS242
Co-requisites: None
Subject Description: This subject applies knowledge from areas of functional anatomy, exercise physiology, biomechanics and exercise science practice to the design of safe, beneficial and functional resistance programs to healthy populations in the community and the work place.

BEXS352 Exercise Prescription 2 - Aerobic Fitness

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS242 or EDUP234
Co-requisites: None
Subject Description: This subject addresses the range of skills and strategies appropriate for the design and implementation of exercise regimes in normal populations across the age spectrum. It involves the design of programs to improve aerobic fitness and includes information related to exercise sequencing, and developing appropriate intensity of exercise on the basis of field and laboratory based test results. Strategies for prescribing exercise within the populations noted earlier will also be included within this subject material.

BEXS402 Exercise For Special Populations

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BEXS451 and BEXS452
Co-requisites: None
Subject Description: This subject assumes knowledge and skills covered in Advanced Exercise Physiology, Exercise Prescription I & II and extends information presented in Exercise Rehabilitation 1 & 2. The impact of selected pathologies on human performance and the effect of acute and chronic exercise on the pathology and on health of the individual require investigation, understanding and consideration by Exercise Scientists. Exercise test protocols and program delivery techniques specific to the needs of Special Populations in the community will be addressed. Techniques for planning and implementing interventions designed to address specific functional fitness problems in Special Populations will be explained. The relative merits of particular tests of physiological function in these populations will also be discussed.

BEXS403 Ergonomics In Practice

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to the discipline of ergonomics. The subject is designed to provide an overview of ergonomics to provide understanding and basic skills. This subject is particularly useful for OHS practitioners and those interested in further study of ergonomics and human factors. The Discipline of Ergonomics (or human factors) is the scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well-being and overall system performance. Ergonomists contribute to the design and evaluation of tasks, jobs, products, environments and systems in order to make them compatible with the needs, abilities and limitations of people.

BEXS411 Practicum in Exercise Science A

Autumn Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: BEXS351 and BEXS352
Co-requisites: BEXS451 and BEXS452
Subject Description: This subject assumes knowledge and skills covered in the first three years of the Exercise Science degree and provides information related to the various environments in which Exercise Scientists operate. Consisting largely of a monitored placement within setting in which Exercise Science is delivered to members of the community, techniques for planning and implementing appropriate interventions will be applied. Exercise programs specific to the needs of these clients will thus be designed and managed by the student. Practical skills related to exercise testing, prescription and management of the entire exercise science intervention will be rehearsed, demonstrated and applied by students enrolled in this subject.

BEXS412 Practicum in Exercise Science B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BEXS411 or BMS354 and BEXS451 and BEXS452
Co-requisites: BEXS402
Subject Description: This subject assumes knowledge and skills covered in all areas of the Exercise Science degree. It consists of an extensive clinical placement which provides the student with the opportunity to utilise the skills and competencies developed over seven semesters at the University. Techniques for planning and implementing appropriate activity programs

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will be applied to a larger population of clients with increased heterogeneity of functional fitness and a range of pathologies. Exercise programs specific to the needs of a range of clients will thus be designed and managed by the student. Practical skills related to exercise testing, prescription and management of the entire process will be rehearsed and behaviours consistent with those often emerging professional will be demonstrated by students enrolled in this subject.

BEXS451 Exercise Rehabilitation 1: Musculoskeletal

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BEXS351 and BMS203
Co-requisites: None
Subject Description: This subject extends the study of exercise rehabilitation providing revision related to the structure and function of major joints and introduces common pathologies, mechanisms and outcomes. The subject covers information related to evaluation of the injured site and the design and management of appropriate exercise rehabilitative techniques designed to improve functional capabilities and prevent reinjury.

BEXS452 Exercise Rehabilitation 2: Cardiorespiratory and Neurological

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BEXS352 & BMS346 & BMS344 for 851A students; BEXS352 & BMS346 or BMS344 for 574 students. Other students will need approval from course coordinator
Co-requisites: None
Subject Description: This subject investigates the use of exercise as a clinical rehabilitative tool for patients with cardiovascular or neurological pathologies. The subject covers information related to evaluation of the pathology and the design and management of appropriate exercise rehabilitative techniques to improve functional capabilities and enhance quality of life.

BMS 101 Systemic Anatomy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP131
Subject Description: This subject provides an introduction to the area of human gross anatomy through the study of each of the major systems of the body. In weekly practical sessions, students are exposed to anatomical structures through examination of cadaveric specimens, radiographic images, histological slides, audiovisual materials and anatomical models. Major topics include the skeletal, muscular, nervous, cardiovascular, respiratory, digestive and urogenital systems.

BMS 103 Human Growth Nutrition and Exercise

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will consider the relationship between growth (physical and maturational), nutritional health and exercise on various lifestyle performance indicators, such as motor skills and disease. The characteristics and determinants of growth, nutrition, health and exercise throughout the lifespan will be reviewed and will be examined from morphological, physiological and neural perspectives.

BMS 112 Human Physiology 1: Principles and Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUP132
Subject Description: This subject is designed to provide students in Medical Science, Health Science, Nutrition, Exercise Science and other Science-based degrees with an introduction to the major physiological systems operating in the human body, and to the underlying cellular physiology and metabolism. Topics covered include the muscular, cardiovascular, respiratory, neural, endocrine, reproductive and digestive systems. Practicals provide a way to develop basic measurement skills (e.g. taking blood pressure) and to demonstrate physiological principles introduced in lectures. Tutorials will serve to revise and reinforce lecture material and encourage integrative thinking about physiological interactions by working through a series of study questions.

BMS 200 Histology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BMS101 or BMS112
Co-requisites: None
Exclusions: BMS102
Subject Description: This subject provides an introduction to the structure and function of mammalian cells, tissues and organs. The practicals and lectures will emphasise functional histology. Students will examine cell ultrastructure, gain an appreciation of histological methods and acquire a detailed understanding of the major tissue types and how these tissues are integrated to produce the functional characteristics of the major organs/systems of the body. These include the cardiovascular, lymphatic, immune, integumentary, respiratory, digestive, urinary, endocrine and reproductive systems.

BMS 202 Human Physiology II: Control Mechanisms

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BMS112 OR EDUP132
Co-requisites: None
Subject Description: This subject is an extension of Human Physiology I (BMS112 or EDUP132) and covers material essential to the understanding of physiological regulation. While topics may vary from year to year, these will typically include the fundamentals of neurophysiological and endocrine control, with detailed treatment of cardiovascular, respiratory, metabolic and renal system control. Regulatory abnormalities accompanying certain pathological states are also emphasised.

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BMS 203 Musculoskeletal Functional Anatomy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BMS101 and BMS211
Co-requisites: None
Subject Description: This subject investigates the musculoskeletal system from a functional anatomical viewpoint. Topics include the anatomy and function of synovial joints and the role of skeletal muscle in the performance of movements such as walking, running and prehension. Emphasis will be placed upon integrating the anatomical structures of the musculoskeletal system to better understand the principles of human motion. Students will be introduced to assessment of musculoskeletal function including movement analysis, anthropometry, gait analysis and electromyography.

BMS 204 Introduction to Pathophysiology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BMS202
Co-requisites: None
Subject Description: This subject introduces the student to the study of pathophysiology. The course is divided into four parts. Part one covers basic concepts of pathophysiology at the cellular level. Part two covers cardiovascular system pathophysiology. Part three covers musculoskeletal system pathophysiology. Part four covers nutrition/digestive system pathophysiology. Topics covered will include altered cellular and tissue biology; fluids, electrolytes, acids and bases; cardiovascular systems; musculoskeletal system; nutrition related anaemias and digestive system disorders.

BMS 210 Measurement and Assessment of Diet and Activity

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BMS103 AND BMS202
Co-requisites: None
Subject Description: This subject examines the various methods used to measure dietary intake and physical activity in populations and healthy individuals, how to assess these measurements against national and international standards, and how to make recommendations for improvement. Topics covered will include the validity and reliability of different methods, use of biomarkers, body composition analysis, calorimetry, estimations of energy requirements, the use of food composition databases, and the planning and use of national surveys for monitoring and evaluation.

BMS 211 Foundations of Biomechanics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BMS101 or EDUP131
Co-requisites: None
Exclusions: EDUP235
Subject Description: This subject introduces fundamental biomechanical principles to provide a basis for understanding the causes and effects of human motion. The subject is an extension of the basic principles of human structure and function studied in Systemic Anatomy and will include: (i) an introduction to analysis of movement; (ii) basic biomechanical principles of motion; and (iii) subjective analysis of movement.

BMS 242 Exercise Physiology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BMS202
Co-requisites: None
Subject Description: This subject extends the study of human structure and function into the work and exercise domains. Areas to be studied include energy liberation and metabolism, applied muscle physiology and applied cardiorespiratory physiology.

BMS 300 Anatomy II (Regional Anatomy)

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS101 or EDUP131
Co-requisites: None
Subject Description: This course will teach detailed morphology and general pathology of human visceral organs. Clinical symptoms caused by visceral organ diseases will be explained in relation to particular region. It is a very practical course and leans towards advanced anatomy and common visceral organ diseases. The course will provide you with a detailed morphology of the head, neck, thorax, abdomen, and pelvis with particular emphasis upon the viscera. Hence, it is a necessary pre-requisite for students to have the knowledge of system anatomy (BMS101-Systemic Anatomy). You will be led, step by step, to learn the gross morphology of individual regions. The regional anatomy differs from the systemic anatomy because it focuses on the specific region linking to the understanding of the clinical problems. During the lecture you will be told firstly the location of the specific organ and its neighbouring structures, and then their blood supply, venous and lymphatic drainage, and nerve innervation. We then describe relevant visceral organ pathology and to certain extend of histology. Finally, common clinical symptoms to that specific region will be introduced. The knowledge you learn from this course will allow you to explain some common clinical health problems, which you may meet in day-to-day life. During the practical classes we will teach tissue-dissection skills and how to localise the projections of visceral organs.

BMS 302 Research Topics

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL214 and BMS202; or credit average and permission of subject coordinator.
Co-requisites: None
Subject Description: This subject provides an opportunity for students to participate in a research project in one of the discipline areas; Biomedical Science, Exercise Science and Rehabilitation, Nutrition and Dietetics or Occupational Health and Safety. Students should gain experience in experimental design, data collection, analysis and interpretation and report writing plus oral and poster presentation. The subject is particularly recommended for students intending to undertake further under- or post-graduate research based studies.

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BMS 303 Research Topics in Exercise Science

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BEXS352
Co-requisites: None
Subject Description: This subject should provide an opportunity for students to conduct a research project in one of the following broad areas of Exercise Science: Exercise Physiology, Biomechanics, Functional Anatomy, Exercise Rehabilitation and Motor Control and Dysfunction. Topics covered will include research design, development of research hypotheses and research proposal documents, data collection and analysis, statistical and spreadsheet software packages and the interpretation of research data within a final research report.

BMS 304 Research Topics in Nutrition and Dietetics

Spring Wollongong On Campus
Credit Points: 16
Pre-requisites: BMS312
Co-requisites: None
Subject Description: The subject will introduce students to specific areas of research practice in the field of nutrition and dietetics. Topics will be negotiated based on the current research activities of the metabolic research centre and its associates. A group or individual research project is designed to give students an intensive one session research experience under the guidance of an academic supervisor.

BMS 310 Community and Public Health Nutrition

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: PHN203 or POP222
Co-requisites: None
Subject Description: Key areas of community and public health nutrition include nutrition surveillance, food policy, program planning and health promotion. There will be a focus on community nutrition practice, covering such topics as maternal and infant nutrition, school based nutrition programs, diabetes education and the health of older people in the community. Submission of some assignment work via eLearning Space.

BMS 311 Nutrients and Metabolism

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL214 and BMS202; or equivalent
Co-requisites: None
Exclusions: GHMA931
Subject Description: This subject covers the need for nutrients and how the human body metabolises these nutrients. It begins with basic concepts such as bioavailability of nutrients from food. It then focuses on specific nutrients, including protein and fat quality, folate and B vitamins, antioxidants, and soy phytoestrogens, most of which do not have recommended dietary intakes (RDIs). The overall aims are 1) to understand the relationships between intake of nutrients and health status and 2) to develop an appreciation for the development of an RDI for a nutrient. Please note that this is a core subject for all of the University of Wollongong's nutrition degrees and hence it is tailored for nutrition students.

BMS 312 Research in Human Nutrition

Autumn Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: STAT151 or STAT252, and BMS210 and POP222
Co-requisites: BMS310 or BMS311
Exclusions: GHMA932
Subject Description: This subject will introduce students to a range of key areas of research in human nutrition. Beginning with an overview of nutrition research and the development of literature reviews, topics will include diet intake methodology, the use of nutrient databases, biomedical assays and indicators, epidemiological and ethnographic approaches as they relate to nutrition.

BMS 313 Nutrition and Food Innovation A

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CHEM215 AND BMS103
Co-requisites: None
Exclusions: BMS314 AND SFC904
Subject Description: This subject introduces students to the use of technologies that underpin the development of the contemporary Australian food supply to achieve a health outcome. These include, but are not limited to, functional foods and genetic modification and its applications in food production, the impact of these applications such as in feeding programs on livestock and/or plant agricultural practices, issues concerning trends for new food delivery systems such as home meal solutions or ready to eat meals and related food safety concerns, and the use of risk assessment frameworks in food regulation. The overall impact of the use of biotechnology and new food production technologies based on nutrition principles and research on the food supply system will be reviewed.

BMS 314 Nutrition and Food Innovation B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: CHEM215 AND BMS103
Co-requisites: None
Exclusions: BMS313 AND SFC904
Subject Description: This subject introduces students to the use of technologies that underpin the development of the contemporary Australian food supply to achieve a health outcome. These include, but are not limited to, genetic modification and its applications in food production, the impact of these applications such as in feeding programs on livestock and/or plant agricultural practices, issues concerning trends for new food delivery systems such as home meal solutions or ready to eat meals and related food safety concerns, and the use of risk assessment frameworks in food regulation. The overall impact of the use of biotechnology and new food production technologies based on nutrition principles and research on the food supply system will be reviewed.

BMS 341 Clinical Biomechanics

Spring Wollongong On Campus
Credit Points: 8

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Pre-requisites: BMS211 or EDUP235, and BMS203. The top 30 students, based on their final grades for these prerequisite subjects, will be admitted to the subject.
Co-requisites: None
Subject Description: This subject aims to extend the student's knowledge of musculoskeletal functional anatomy and biomechanics attained in BMS203 and BMS211, respectively, and to apply this knowledge in learning how to quantitatively assess human movement. Emphasis within the subject will be directed towards developing the required knowledge and skills to be able to measure, analyse and interpret data characterising both normal and pathological human motion. The subject will consist of the following content: (a) measurement in Exercise Science; (b) quantitative methods of analysing human motion including anthropometry, kinematic analysis, kinetic analysis (dynamometry and inverse dynamics), electromyography, pressure measurement, and balance assessment; (c) theoretical and practical concerns in processing raw data characterising human motion; and (d) clinical applications of quantifying human motion.

BMS 342 Advanced Exercise Physiology

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS242
Co-requisites: None
Subject Description: While contemporary humans are adapted to a more sedentary lifestyle, exercise provides a stimulus that pushes physiological function to extreme levels, providing a unique window through which the impact of stress upon human function may be explored. The knowledge of physiological function during rest and exercise stress, under various environmental conditions, is important as a basis for the optimisation of human existence, and, as such, forms an integral part of a sound physiological curriculum. The theme of this subject is to develop an understanding of physiological function under stress across the age and health spectra in groups that include the elderly, adolescents, workers, athletes and those with underlying pathological states.

BMS 344 Cardiorespiratory Physiology

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS202
Co-requisites: None
Subject Description: This subject provides information on cardiovascular physiology: including the ionic basis of cardiac electrical activity and contraction, the electrocardiogram, peripheral vascular system, regulation and control of heart and vascular function, and cardiovascular responses to stress within normal and abnormal function. It also covers the pathophysiology and treatment of hypertension, heart failure and cardiac arrhythmia. Respiratory physiology: including structure, ventilation and diffusion, pulmonary blood flow, ventilation-perfusion relationships, gas transport to the periphery, the pulmonary pump, control of ventilation and responses to stress within normal and abnormal function, are also studied.

BMS 345 Advanced Topics in Pathophysiology

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS204
Co-requisites: None
Subject Description: This subject introduces students to scientific research within the area of pathophysiology. Topics will vary from year to year depending upon the availability of staff but all will emphasise current literature investigating the physiological mechanisms underlying human disease states. The subject is particularly designed for exceptional students who may be contemplating entering a postgraduate research program at the completion of their degree.

BMS 346 Motor Control and Dysfunction

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS202
Co-requisites: None
Subject Description: The subject is designed primarily for Exercise Science students. This subject will provide knowledge of the neurophysiological basis of the control of both normal, and dysfunctional human motion. Topics covered will include an in-depth study of the anatomy and neurophysiology of the motor control system, the neurophysiological basis of the major disorders of human motion and techniques for the recording and analysis of normal and abnormal movement patterns.

BMS 352 Fundamentals of Neuroscience

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL103 or BMS112
Co-requisites: None
Subject Description: Students should gain familiarity with the physiology and the anatomy of the central nervous system. Labs will consist of a detailed study of the functional anatomy of the human brain, including tracing sensory and motor pathways and understanding neuroanatomical techniques. In addition to integrating anatomical function, lectures include aspects of neural development, molecular and cellular mechanisms of signal transmission, CNS coordination with autonomic and neuroendocrine systems and the study of the neural bases for selected behaviours and neurological disorders.

BMS 354 Practicum in Exercise Science

Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS203 and BMS242
Co-requisites: BEXS351 and BEXS352
Subject Description: Students should gain practical experience and expertise in the application of the knowledge base acquired in Exercise Science. This practicum will emphasise the utilisation of exercise as an intervention to maintain and improve the health and fitness of apparently healthy individuals. Specific problems related to human performance in the sport and health care industry, will be addressed using a multidisciplinary approach.

BMS 401 Honours

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 48
Pre-requisites: Minimum credit average in the last year of the undergraduate program
Co-requisites: None

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Subject Description: The student will be required to write a research proposal and a thesis on an approved topic embodying the results of their supervised research. In addition, the student will be required to participate in a seminar program.

BMS 402 Joint Honours in Biomedical Science and Another Discipline

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: Minimum credit average in final year of undergraduate program
Co-requisites: None
Subject Description: Students enrolling in this subject will be required to write a research proposal and a thesis on an approved topic embodying the results of their supervised research. In addition, the student will be required to participate in a seminar program.

BND 433 Communication in Health Care Practice

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: BND434 or GHMA934
Exclusions: GHMA933 and GHMA929
Subject Description: The subject will introduce students to the theory and practice of communication in the professional work environment, emphasising successful communication in a range of contexts. These include client counselling, small group education, community consultation, participation in meetings, working with the media and conflict resolution. In order to promote teamwork and group skills, the subject is taught on a small group basis, and the student should prepare for each activity. In order to promote an understanding of how people learn in small groups, students are asked to keep a reflective journal and to critique the process at the completion of the subject.

BND 434 Dietetics

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS311 and BMS312
Co-requisites: BMS310
Subject Description: Dietetics concerns the manipulation of food and dietary data with the aim of supporting nutritional health. This subject focuses attention on the nutritional needs of individuals, in clinical and community health settings, where nutritional intervention will improve or support the quality of life. This subject will draw upon much of your undergraduate and postgraduate studies. In particular you should revise your understanding of nutrition through the life cycle, human physiology and metabolic biochemistry.

BND 435 Food Services and Dietetics Management

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS310 OR BMS311 OR BMS312
Co-requisites: None
Exclusions: GHMA935
Subject Description: This subject is an introduction to the management food service operations and hospital dietetic departments. It will focus on the development of small and large scale cooking skills, menu planning and standard recipe manipulation in keeping with dietetic modifications. It will also develop the necessary skills and knowledge base to assist in and/or manage the provision of meals via an institutional food service. Aspects of organisational design, leadership, motivation, negotiation, resource management, decision making and power will be explored.

BND 437 Practical Studies in Nutrition and Dietetics

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: BND433 and BND434 and BND435
Co-requisites: None
Exclusions: GHMA937
Subject Description: This subject comprises a practicum of at least 18-20 weeks duration which is spent in hospitals, community health centres, and other food-related organisations. Students will be under the supervision of experienced practitioners appropriate to the placement requirements. This placement is designed to develop the student's skills and competencies in a range of areas including specialised therapeutic diets and the provision of community nutrition programs. It also provides the students with opportunities to rehearse and demonstrate both interviewing and counselling skills, as well as information and behaviours required to allow the Dietitian to operate as an independent professional. Awareness of, and behaviours consistent with the knowledge of ethics requirements, confidentiality, accountability and other responsibilities of the autonomous professional operating either independently or as a member of a multidisciplinary team should be demonstrated by the student.

EDUP131 Systemic Anatomy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: BMS101
Subject Description: This subject provides an introduction to the area of human gross anatomy through the study of each of the major systems of the body. In weekly practical sessions, students are exposed to anatomical structures through examination of cadaveric specimens, radiographic images, histological slides, audiovisual materials and anatomical models. Major topics include the skeletal, muscular, nervous, cardiovascular, respiratory, digestive and urogenital systems.

EDUP132 Physiology I

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: BMS112
Subject Description: This subject is designed to provide students in Medical Science, Health Science, Nutrition, Exercise Science and other Science-based degrees with an introduction to the major physiological systems

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operating in the human body, and to the underlying cellular physiology and metabolism. Topics covered include the muscular, cardiovascular, respiratory, neural, endocrine, reproductive and digestive systems. Practicals provide a way to develop basic measurement skills (e.g. taking blood pressure) and to demonstrate physiological principles introduced in lectures. Tutorials will serve to revise and reinforce lecture material and encourage integrative thinking about physiological interactions by working through a series of study questions.

EDUP234 Exercise Physiology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP132
Co-requisites: None
Subject Description: This subject extends the study of human structure and function into the work and exercise domains. Areas to be studied include energy liberation and metabolism, applied muscle physiology and applied cardiorespiratory physiology.

EDUP235 Biomechanics For Educators

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: EDUP131 or BMS101
Co-requisites: None
Exclusions: BMS211
Subject Description: This subject introduces fundamental biomechanical principles to provide a basis for understanding the causes and effects of human motion. The subject is an extension of the basic principles of human structure and function studied in Systemic Anatomy and will include: (i) an introduction to analysis of movement; (ii) basic biomechanical principles of motion; and (iii) subjective analysis of movement.

MEDI601 Medicine 1

GSM Ph1 S3 Shoalhaven On Campus
GSM Ph1 S3 Wollongong On Campus
GSM Ph1 S1 Wollongong On Campus
GSM Ph1 S1 Shoalhaven On Campus
GSM Ph1 S2 Wollongong On Campus
GSM Ph1 S2 Shoalhaven On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: The subject focuses on four themes in an integrated process of delivery: medical sciences, clinical competency, research and critical analysis and personal and professional development. Medical sciences forms a central part of the subject. Its emphasis is on basic, clinical, behavioural, and population health sciences delivered through a curriculum organized around body systems and presented in relation to clinical problems. Clinical competency covers clinical, procedural and interpersonal skills and involves a variety of activities designed to prepare students for the process of clinical interaction with patients. The emphasis is on basic competencies in communication and consultation, including history-taking, conduct of a physical examination, interpretation of investigations and documentation of the results. Research and critical analysis will be learned through individual and group work arising out of the integrated learning activities or related problems. Personal and professional development activities are designed to foster reflective practice as a foundation competency for professional life. Students will develop their knowledge base of biological, psychological and social science and population health through a combination of Integrated Learning Activities, lectures, tutorials, large group clinical demonstrations, clinical skills and anatomy laboratory activities, guided independent learning and clinical placement experiences in general practitioner offices, hospitals, and community agencies.

MEDI602 Medicine 2

GSM Ph2 S1 Wollongong On Campus
GSM Ph2 S1 Shoalhaven On Campus
Credit Points: 24
Pre-requisites: MEDI601
Co-requisites: None
Subject Description: MEDI 602 occupies the second phase of the MBBS during two semesters in which intensive involvement in regional hospital clinical placement occurs, with university-based learning occurring within and alongside that clinical experience. The focus of medical sciences shifts to a study of general pathophysiology, microbiology and pharmacology as they pertain to each of the body systems. Clinical competencies have an increased focus on clinical application of knowledge and clinical skills, in particular taking histories and physical examinations with patients. Students will be assigned to Wollongong Hospital and one of the smaller hospitals in the Illawarra or Shoalhaven regions for 3 ½ days a week. Placements will include medicine and surgery, mental health, acute and critical care, and maternal and paediatric care, and utilise a variety of ambulatory care clinical services. In such placements they will learn about multidisciplinary teamwork, and health care delivery in the hospital and community. Students will experience acute and critical care in a hospital setting in which patients are acutely ill and in need of immediate medical attention, in which students learn the acute management skills that will be invaluable to them in the long integrated GP/hospital placements that follow. This subject includes an elective period spent overseas or in remote Australia, which fosters personal maturity and consolidates the sense of being a functioning professional rather than a mere observer.

NMIH101 Effective Communication in Health Care Relationships

Autumn Wollongong
On Campus
Autumn Bega
On Campus
Autumn Shoalhaven
On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: NURS162
Subject Description: This subject aims to provide students with: an introduction to theoretical concepts of interpersonal communication and understanding; the importance of interpersonal skills in health care; the concept of self-awareness; and the therapeutic use of self in the professional relationships. The five themes: Self awareness and awareness of others, Verbal & non-verbal therapeutic communication, Listening, questioning and interviewing, Cultural awareness and cultural competence, Conflict Management - Breaking

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Bad News. The content of this subject will be presented in a variety of methods, with participants in this subject being invited to actively participate in role-plays, activities and reflection on their experiences.

NMIH102 Patterns of Knowing in Nursing

Autumn Bega On Campus
Autumn Shoalhaven On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: NURS164
Subject Description: This subject aims to provide students with an introduction to four fundamental patterns of knowing in nursing. The content includes: values clarification; ethical principles; confidentiality and consent; the Australian legal system and professional issues, duty of care. The types of knowledge and knowing, important in nursing practice is explored together with an introduction to learning and learning styles. An introduction to what constitutes science and art in nursing. A variety of methods will be used, with students being invited to actively participate in scenarios considering real cases and reflection on these experiences.

NMIH103 Art and Science of Nursing A

Autumn Wollongong On Campus
Autumn Shoalhaven On Campus
Autumn Bega On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: NMIH104
Exclusions: NURS127
Subject Description: This subject will introduce the student to nursing; its nature and evolution and the knowledge, skills and behaviours that form a basis for the development of nursing competence. This will include an understanding of the process of becoming a nurse within the regulatory framework; define nursing, an introduction to: nursing as art, nursing as science, the concept of cultural competence; the Activities of Living model of care, health and illness, and the factors affecting human functioning: biological, psychological, social cultural, environmental and politico economic factors.

NMIH104 Art and Science of Nursing B

Autumn Wollongong On Campus
Autumn Bega On Campus
Autumn Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: NMIH103 or NURS127
Exclusions: NURS163
Subject Description: This subject will provide a basis for safe nursing practice. It will introduce the student to the skills required in the nursing process and the utilisation of the activities of living model as the approach to the organisation of patient/client care. This will include an introduction to the skills of assessment, planning, implementation and evaluation; observe and participate in patient/client care activities safely; occupational health and safety; individualised patient care. Case studies will be used to integrate theory to practice, in this subject they will focus on safety and infection control.

NMIH105 Primary Health Care Nursing

Spring Wollongong On Campus
Spring Shoalhaven On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: NURS165
Subject Description: The subject will introduce the student to the primacy of health and well being. Health promotion and health education strategies will be explored. The nurse's role in preventative and Primary Care Nursing will be defined and the role of the nurse as a teacher will be introduced and the skills developed. Case studies will be used to integrate theory to practice, in this subject they will focus on Healthy Lives.

NMIH106 Essentials of Care A

Spring Wollongong On Campus
Spring Shoalhaven On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: NMIH103 and NMIH104
Co-requisites: NMIH107
Exclusions: SCIE122
Subject Description: This subject provides the student with the opportunity to develop the clinical skills and knowledge required to care for patients/clients with uncomplicated problems. Students will further develop their knowledge of assessment, specifically primary and secondary data used in identification of patient/client problems, planning care, specific interventions and evaluation of care for people using the following activities of living: communications; mobilising; working and playing; expressing sexuality; sleeping and dying. Case studies will be used to integrate theory to practice, in this subject they will focus on Pre/intra/post intervention and Independence/Dependency

NMIH107 Essentials of Care B

Spring Wollongong On Campus
Spring Bega On Campus
Spring Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: NMIH106
Exclusions: NURS166
Subject Description: This subject provides the student with the opportunity to develop the clinical skills and knowledge required to care for patients/clients with uncomplicated problems. Students will further develop their knowledge of assessment, specifically primary and secondary data used in identification of patient/client problems, planning care, specific interventions and evaluation of care for patients/clients using the following activities of living: maintaining a safe environment, breathing, eating and drinking, eliminating, personal cleansing and hygiene, controlling body temperature. Case studies will be used to integrate theory to practice, in this subject they will focus on Pre/intra/post intervention and independence/dependence

NMIH109 Special Topic in Nursing 1

Not on offer in 2008
Credit Points: 6
Pre-requisites: None

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Co-requisites: None
Subject Description: This subject will provide the opportunity for students to undertake the specific content required and complete a 100 level subject so that they can make progress through the Bachelor of Nursing programme. A learning contract will be developed that identifies the specific content, learning opportunities and formative and summative assessment required.

NMIH209 Special Topic in Nursing 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide the opportunity for students to undertake the specific content required and complete a 200 level subject so that they can make progress through the Bachelor of Nursing programme. A learning contract will be developed that identifies the specific content, learning opportunities and formative and summative assessment required.

NMIH240 Current Services in Indigenous Health

Not on offer in 2008
Credit Points: 6
Pre-requisites: ABST150
Co-requisites: None
Exclusions: NURS240
Subject Description: This subject provides an opportunity for students to critically examine the relationship between Indigenous health, self-determination and current health services in Australia. Political, economic and historial factors impacting on health services will be considered, together with issues related to current service delivery. The subject focuses specifically on Indigenous community control andon mainstream service provision.

NMIH242 Functional Community Structures

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: NURS242
Subject Description: This subject will provide an overview of, and opportunity for, discussion in relation to strategic planning in Indigenous community health contexts. The focus will be on comparative analysis of the complex factors involved in community health. The emphasis will be on practices associated with planning, implementation and evaluation. The student will also have the opportunity to focus specifically on Indigenous programs; and to examine Indigenous definitions, articulation of issues and control of planning processes.

NMIH243 Comparative Indigenous Health Issues

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: NURS243
Subject Description: The aim of this subject is to provide a comparative discourse on Indigenous health issues. The subject focuses on a historical and comparative analysis of the complex factors involved primarily in the Australian context. There is opportunity for critical interrogation of the rhetoric and practices associated with Indigenous health and with self-determination. The subject examines Indigenous definition and articulation of problems; as well as strategies for addressing the issues. There is also a comparison of specific health issues with those of indigenous peoples in North America and New Zealand.

NMIH309 Special Topic in Nursing 3

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide the opportunity for students to undertake the specific content required and complete a 300 level subject so that they can make progress through the Bachelor of Nursing programme. A learning contract will be developed that identifies the specific content, learning opportunities and formative and summative assessment required.

NMIH327 Health and Human Ecology

Not on offer in 2008
Credit Points: 6
Pre-requisites: 12 credit points at 200 level, including NMIH243 or NURS243
Co-requisites: None
Exclusions: NURS327
Subject Description: This subject provides an overview of and an opportunity for discourse on key factors to be considered in environment, health and planning for urban, rural and remote Indigenous communities. There is a focus on the requirements of public health policy and legislation. There is also a critical interrogation ofthe relationship between the environment and issues of public and community health. Analysis of the new public health (particularly health promotion, primary health care, community health, and environmental health) will underpin the theoretical framework for this subject. Issues such as research, environmental racism, health settings, access to public health facilities, and population stresses will be examined in the light of their impact on allocation of health resources and service delivery.

NMIH341 Research in Indigenous Health

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: NMIH243 or NURS243
Co-requisites: None
Exclusions: NURS341
Subject Description: This subject provides students with an opportunity to identify and analyse specific issues in relation to Indigenous research. These issues include cultural and intellectual property rights, research ethics, contested knowledges; and the role of research in community development. This subject explores the notion of research in Indigenous health frameworks as a community-controlled endeavour; and introduces the practices of various research methodologies including action research and participatory planning.

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NMIH343 Indigenous Community Development: Mental Health Issues

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: NURS343
Subject Description: The health and health care needs of many societies are changing significantly in response to changing social values and patterns of living. Traditional medical approaches to health care are being questioned and reviewed, particularly in response to effectiveness. The average length of hospital stay has decreased and the individual, family and community are expected to take greater responsibility for health and treatment. Communities need to develop the expertise and skills to enable this to occur; one such way is through health promotion and education. this subject will focus on the health worker as community educators to optimie the independence of people in non-institutional settings. Students will examine the broader scope of the health worker and will build upon concepts learned in previous practice. Specific emphasis is on working with Indigenous peoples and communities.

NMIH344 Community Health: Environmental Issues

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: NURS344
Subject Description: This subject will provide students with an opportunity to identify, develop and evaluate practical applications of health promotion in Indigenous communities. The subject introduces the principles and theory of health promotion within a primary health care and community development framework. Some of the principles that guide education for health and planning education sessions are also discussed.

NURS100 Foundation Studies

Intake C Wollongong On Campus
Intake D Bega On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is to introduce students to different types and sources of knowledge that can be used in nursing. Specifically the issues dealt with will be examined in relation to the responsibility of a registered nurse and safe practice. Information literacy will be intertwined throughout the subject.

NURS227 Human Bioscience 3

Autumn Bega On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: SCIE122 or BIOL103 and NURS127 or BMS 112
Co-requisites: None
Subject Description: This subject is designed to enhance the student's understanding of the structure and functioning of the human body. It builds on and expands on material presented in the first year of the course. As this is a course designed for nursing students the major emphasis is on physiology rather than anatomy. All the organ systems of the human body are studied and appropriate links are made with both pathophysiology and human development.

NURS262 Medical/Surgical Nursing 2

Autumn Bega On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: NURS 166
Co-requisites: None
Subject Description: Medical/Surgical Nursing 2 is a clinically orientated subject that will require the student to integrate concepts related to the biophysical, pathophysiological, pharmacological, psychosocial and cultural diversity dimensions of individuals and families. This subject will provide the student with an opportunity to apply their understanding of the control mechanisms of the body that maintain homeostasis and coordination and relate these to fluid and electrolyte balance, renal function, neurological and endocrine control and movement. This subject includes the study of normal and abnormal pathophysiology across the life span. This subject will also examine in detail the role of the nurse in assessing people with alterations in fluid and electrolyte balance, renal function, coordination, control and movement: identifying actual and potential problems for these people, making clinical decisions within a professional, ethical and legal framework; and collaborative care incorporating relevant diagnostics and therapeutics.

NURS263 Mental Health Nursing 1

Autumn Bega On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: NURS162, NURS166
Co-requisites: None
Subject Description: This subject will introduce the students to the concept of mental health, mental disorders and the provision of care for people who are affected by these disorders. Students will be given an overview of the forces that have shaped mental health services in Australia today. The subject will cover the affects that various mental disorders and substance related disorders have on the population and the impact this has on nurses working in the health field.

NURS264 Reflection and Practice

Spring Wollongong On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: NURS162 or NMIH101, NURS166
Co-requisites: None
Subject Description: This subject has three main foci: the development of skills of reflection, not only directly on clinical nursing practice but within the student as a person in general; the development of critical thinking skills, particularly in relation to logical thought and the recognition of logical argument within the work of others; and, the development of skills in presenting logical arguments to others. It builds on skills dealt with earlier in the programme related to the identification, accessing and evaluation

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of clinically relevant literature. It therefore serves to provide an insight into the concept of 'intellectual craftsmanship' and its relevance to nursing practice.

NURS265 Nursing Therapeutics

Spring Wollongong On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: NURS166
Co-requisites: None
Exclusions: NURS226
Subject Description: Nursing therapeutics further develops insights into the nurse's role in administering medications and the use of alternate therapies in care of the patient. Pharmacokinetics will serve as the basis for examining major drug groups with particular emphasis on patient education about drugs, side effects, toxic effects and manifestations, and drug interactions. Alternative therapies shall also be explored in relation to the amelioration of patient problems in collaboration with and separate from allopathic therapies. These alternative therapies will include herbal medications, vitamin and mineral supplementation, naturopathy, aromatherapy, therapeutic touch, meditation and acupuncture. Overall the intention is to enable students to consider ways in which the ethos underpinning alternative therapies (eg. Holism and client-centredness) can and should be expanded into care.

NURS266 Medical/Surgical Nursing 3

Spring Wollongong On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: NURS166, NURS227, NURS262
Co-requisites: None
Subject Description: Medical/Surgical Nursing 3 is a clinically orientated subject that will require the student to integrate concepts related to the biophysical, pathophysiological, pharmacological, psychosocial and cultural diversity dimensions of individuals and families. This subject will provide the student with an opportunity to apply their understanding of the control mechanisms of the body which maintain homeostasis and coordination and relate these to people with alterations in oxygenation, perfusion, ingestion and elimination. This subject includes the study of normal and abnormal pathophysiology across the life span. This subject will also examine in detail the role of the nurse in assessing people with alterations in oxygenation, perfusion, ingestion and elimination: identifying actual and potential problems for these people, making clinical decisions within a professional, ethical and legal framework; and collaborative care incorporating relevant diagnostics and therapeutics.

NURS267 Family and Maternal Health Nursing

Spring Wollongong On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: NURS166 and NURS262
Co-requisites: NURS266
Subject Description: The subject will introduce the student to concepts of family in its contemporary forms and to skills that will enable them to effectively care for women and their babies during the childbearing period, under the supervision of certified midwives. It will describe physical and psychological changes that occur in a variety of pregnancy circumstances. The nurses' role in the family's experience of pregnancy and childbirth will be explored and professional, legal, ethical and cultural diversity will be discussed. Factors affecting family health will be addressed in the context of the childbearing period and early childhood.

NURS322 Developmental Disability Nursing

Autumn Wollongong On Campus
Autumn Bega On Campus
Credit Points: 6
Pre-requisites: NURS262, NURS263, NURS265, NURS266, NURS267
Co-requisites: None
Subject Description: Provides a theoretical and practical introduction to the field of developmental disability practice. Particular focus will be given to issues concerning social inclusion; a client centered approach to service provision; health care, including ageing; communication and family support.

NURS325 Community Development Nursing: Theory and Practice

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will focus on the nurse as an educator to optimise the independence of people as they move from an institutional setting and back into the community. Students will examine the broader scope of health professionals and will build upon concepts learned in previous subjects. Special emphasis will be placed on working across cultures.

NURS328 Management in Nursing

Spring Wollongong On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: NURS266, NURS267
Co-requisites: None
Subject Description: This subject is designed to introduce to the students relevant management issues that will be important during their first year of practice, and later when they are required to take a leading role in the management of resources and staff. The content will examine the professional nurse work practices in relation to: a Model of Management, Health Care Systems / organisations, Nursing Care Delivery Systems, Patient Acuity & Ward Staffing, Managing Change ¿ particularly managing the transition from a university culture to practicing as a professional nurse in hospital settings, Time Management, Information Systems in Health Care, and Evaluation of Work Practices.

NURS331 Research For Registered Nurses

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A commitment to research based care is essential within nursing and midwifery, both for improved standards of care and the development of curious and critical practitioners. In order to make their commitment to research a reality, practitioners

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require not only insight into research methodologies, but also the ability to critically analyse existing research. Strategies for increasing research awareness and widely disseminating existing findings should also be clearly understood. The focus of this subject therefore is the development of research appreciation and application skills, not the production of research workers.

NURS361 Professional Nursing

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will focus on development of critical thinking and application of those skills to enhance the professional and clinical practice of graduates. Issues examined will contribute to the philosophical, ethical, moral and clinical development of self and the application of awareness of self to current practice. History and the relationship to contemporary nursing will be examined. The impact of thought from other disciplines such as Feminism will be an integral component of the subject.

NURS362 Continuing, Rehabilitative and Palliative Care Nursing

Autumn Bega
On Campus
Autumn Wollongong
On Campus
Credit Points: 6
Pre-requisites: NURS262, NURS263, NURS265, NURS266
Co-requisites: None
Subject Description: There are a number of chronic health conditions that are commonly encountered by nurses. These conditions are particularly, but not only prevalent in the aged population. This is a clinically orientated subject which examines a number of issues related to chronic health conditions, particularly the goals of aged, rehabilitative and palliative care. The student will have the opportunity to integrate knowledge gained from previous subjects into the care of the person with a chronic disorder. This subject will consider a detailed examination of the role of the nurse in assessing and identifying problems associated with alterations in clients, and making clinical decisions about appropriate nursing interventions and outcomes.

NURS363 Therapeutic Use of Self

Autumn Wollongong
On Campus
Autumn Bega
On Campus
Credit Points: 6
Pre-requisites: NURS162, NURS262, NURS263, POP103 or NURS123
Co-requisites: None
Subject Description: In the process of communication we are required to deal with the emotions, thoughts and actions of people around us. Those we deal with in the health system are better served by clinicians who are aware of their own values and beliefs and willing to challenge and question those beliefs. However, for specific goal oriented and therapeutic communications in the professional context, our understanding is required to be more intensive. This subject will introduce students to concepts necessary for effective therapeutic communication and will enable students to develop a portfolio of skills to assist them in any generalist or specialist clinical practice area. These skills will be developed through the use of simulation that are based on specific clinical situations. The skills learnt in this subject are transferable to all areas of the health service and both underpin and compliment therapeutic communication skills necessary for students who plan to specialise in mental health.

NURS364 Research Appreciation and Application

Autumn Wollongong
On Campus
Autumn Bega
On Campus
Credit Points: 6
Pre-requisites: NURS262, NURS263, NURS264
Co-requisites: None
Exclusions: NURS330
Subject Description: A commitment to research based care is essential within nursing and midwifery, both for improved standards of care and the development of curious and critical practitioners. In order to make their commitment to research a reality, practitioners require not only insight into research methodologies but also the ability to critically analyse existing research. Strategies for increasing research awareness and widely disseminating existing findings should also be clearly understood. The focus of this module therefore, is the development of research appreciation and application skills, not the production of research workers.

NURS365 Mental Health Nursing 2

Spring Wollongong On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: NURS263, NURS265, NURS266, NURS267
Co-requisites: None
Subject Description: Students will be encouraged to develop their understanding of the concepts of mental health nursing. This subject will examine specific skills in identifying planning, implementing and evaluating care for individuals affected by a range of complex serious and enduring mental disorders, including dealing with the impact of these disorders on family members. This will involve students being directly involved in skills acquisition for the provision of care for these clients.

NURS366 Community Health Nursing

Spring Wollongong On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: NURS165, NURS266, NURS267
Co-requisites: None
Subject Description: Students will have the opportunity to explore the diversity of nursing in a health care system that is becoming more community focussed and based. Students will obtain opportunities to develop and consolidate knowledge, attitudes and skills in the nursing of people with more complex conditions in unpredictable community environments.

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NURS367 Medical/Surgical Nursing 4

Spring Wollongong On Campus
Spring Bega On Campus
Credit Points: 6
Pre-requisites: NURS262, NURS266, NURS267
Co-requisites: None
Subject Description: Medical/Surgical Nursing 4 is a clinically orientated subject that will facilitate the student to integrate concepts related to the biophysical, pathophysiological, pharmacological, psychosocial and cultural diversity dimensions of individuals and families. This subject will enable the student to synthesise knowledge and skills gained from the previous Physiological Nursing subjects to high dependency patients. This subject will also examine in detail the role of the nurse in assessing people with injury and multi-system disorders; identifying actual and potential problems for these people, making clinical decisions within a professional, ethical and legal framework; and collaborative care incorporating relevant diagnostics and therapeutics.

NURS401 Nursing Honours

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisites: None
Subject Description: This course is designed to provide supervision for a beginning researcher, through individual mentoring and group seminars. The major component of the course is to guide the student through the research process, including formulating testable questions from the research literature; devising appropriate methods to test these questions; obtaining ethics committee approval; data collection and analysis; oral presentation of results; and report writing. Students will develop and conduct a research project resulting in a thesis presentation.

POP 101 Population Health - current health issues and their determinants

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Weekly lectures on major population health issues in Australia will be presented. The latest evidence on the determinants of health issues will be examined, together with implications for specific population groups (e.g. indigenous Australians) and provision of services in rural and urban areas. Ways in which these health issues can be approached will be discussed. Weekly tutorials will examine the links between health and political, social and other factors.

POP 102 Sex, drugs and rock'n'roll; public health perspectives

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Introduces students to two important contemporary health areas; one related to licit and illicit drug use, including cannabis, ecstasy, alcohol and tobacco; and the other related to sexual and reproductive health in the era of HIV/AIDS. Looks at health consequences, the role of advertising, theories of addiction, law enforcement strategies, health prevention and promotion approaches, and the importance of gender in negotiating sexual relationships. Includes finding and evaluating current public health information.

POP 103 Introduction to Health Behaviour Change

Spring Wollongong On Campus
Spring Bega On Campus
Spring Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with POP221
Subject Description: This subject introduces students to the theories and strategies of health behaviour change at the levels of the individual, the group, and the community. The subject will focus on the application of selected health behaviour change theories and principles to the practice of public health and nursing, with emphasis on the use of these theories and strategies in various clinical nursing settings, health promotion contexts and in culturally diverse communities.

POP 201 Contemporary population health issues

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: POP101
Co-requisites: None
Subject Description: Weekly lectures on current population health issues will be presented, drawing on Australian and international examples. Topics will illustrate themes such as the impact on health of social inequality, globalisation and other aspects of contemporary society, and the populations at risk. Key concepts in population health such as the measurement of health, the burden of disease, risk, the meaning and proof of causality will be discussed within the context of the challenges of promoting the health of populations in contemporary society.

POP 202 Promoting Healthy Lifestyles

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 credit points at 100 level
Co-requisites: None
Subject Description: Health promotion is a risk management strategy that deals with the environmental and educational supports that can assist individuals, groups and communities to improve their health. Individuals, groups and populations will be considered. Theoretical and practical aspects of behaviour change and community development will be addressed. Communication of risk is an essential component of health promotion and will receive particular emphasis in this subject. Basic skills in program planning and management will be developed.

POP 203 Health policy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 6 credit points at 200 level and POP201 or POP202
Co-requisites: None
Subject Description: This subject examines health and health care from policy perspectives. Health policy at a number of levels (governmental and non-governmental)

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relating to health and health care services will be described and critiqued. Roles and responsibilities of agencies responsible for health matters in Australia will be examined. Health policy as a strategy for the management of population health risk will be explored using both theoretical approaches and practical examples. The processes of policy formation will be analysed and key contemporary policy examples examined.

POP 204 Epidemiology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: STAT151 or PSYC123 or STAT131 or COMM121 or STAT252
Co-requisites: None
Subject Description: The epidemiological approach to the study of disease and illness will be taught. The level of evidence of a number of study types (e.g. cross-sectional, case control, cohort, intervention studies) will be presented in the context of public health problems. Causality and alternate reasons for observed associations (eg. chance, bias, confounding and effect modification) will be discussed. Screening for disease and associated concepts will be discussed. Assessing all these concepts in the evaluation of published studies will be developed. Understanding and calculating measures of disease occurrence and associations with risk factors will be covered and practiced.

POP 220 Mass media and population health

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This unit examines the effects of media on population health - from the negative impact of advertisements for cigarettes, alcohol and junk food to the (hopefully) positive impact of public health campaigns. The subject covers commercial and social advertising, program and editorial content, media advocacy, and social marketing; and presents case studies of current media coverage and advertising campaigns to demonstrate the effects of media on health and social behaviour. Students will develop skills in media analysis, the development of communication campaigns, and dealing with the media.

POP 222 Current Issues in Food and Nutrition

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject incorporates an overview of nutrients important to human health and their metabolism. It introduces students to ideas on the causes, nature and impact of a number of current food and nutrition issues. Examples will be drawn from Australia and overseas. Students will critically discuss the role of influential factors, including: interaction of biological, lifestyle and sociocultural aspects of human behaviour; changes in the nature of the food system; role of government and professional groups; and consumer interests.

POP 301 Project and program design, management and evaluation

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: POP201
Co-requisites: None
Subject Description: This subject will examine the process of planning and design (identification of core information, analysis of need, setting goals, objectives, strategies, budgets, resource considerations) for health projects. Program evaluation concepts, development of monitoring and evaluation plans and data management will be discussed. Students will critique project proposals and develop skills in proposal writing and presentation.

POP 302 Evidence in Population Health

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: POP204
Co-requisites: None
Subject Description: Critical appraisal of types and sources of evidence will be investigated using evidence based practice methods. Systematic Reviews and Meta analysis will be covered. Students will develop skills to summarize and synthesise evidence to generate research questions. Students will learn methods of construction and evaluation of psychosocial and health measures. Selected health, functional and quality of life measures will be reviewed. Students will develop skills in data management by using existing datasets to answer research questions and prepare reports.

POP 325 Aboriginal Health Issues

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 credit points at 200 level
Co-requisites: None
Subject Description: Examines the health status of Aboriginal Australians from a historical perspective, using relevant insights from the experiences of other indigenous populations. Explores the causes of Aboriginal health problems, the political and economic context of health, the role of culture, and access to health services. Critiques current strategies to improve health.

POP 331 Population Health Project A

Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: POP301 and POP302 Credit average in core subjects of the Population Health major
Co-requisites: None
Subject Description: Students with a credit average or above will be able to choose from a list of workplace placement projects nominated each year in advance by academic staff who will act as supervisors. These projects may include involvement in a population health program, gaining practical skills in program development, implementation or evaluation, or in other applied research projects, such as policy development or analysis. Other projects may involve investigating a population health problem or issue using appropriate methodologies. Projects may be located within health services or related organisations. Opportunities to locate in rural areas will be actively supported. Students will normally work in small project groups. Students will be required to undergo a Criminal Record Check and complete the Prohibited

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Employment Declaration form. Evidence of vaccination status may be required for students undertaking a placement in a NSW Health Department facility.

POP 332 Population Health Project B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: POP301 and POP302
Co-requisites: None
Subject Description: Students will be able to undertake a limited workplace placement or other project, focussing on either the analysis of an existing data set or the analysis of policy documents, or a critical review of the literature addressing a current population health problem or other project. Suitable projects will be nominated each year by academic staff who will act as supervisors. Students will be required to undergo a Criminal Record Check and complete the Prohibited Employment Declaration form. Evidence of vaccination status may be required for students undertaking a placement in a NSW Health Department facility.

POP 401 Honours

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: An undergraduate degree in a relevant discipline approved by the Head of the School of Health Sciences.
Co-requisites: None
Subject Description: The Honours program is an individual research endeavour under supervision. The candidate is encouraged to research a contemporary issue within the research area of members of the School of Health Sciences. It is expected that there be both a theoretical and empirical content to the project. Guidelines for this subject are available from the Coordinator. The student is required to pass an examination of the detailed research proposal before about one third of the research time has passed. The final assessment of the subject combines an oral presentation with the written thesis/journal article.

PSYC101 Introduction to Behavioural Science

Autumn Wollongong On Campus
Autumn Shoalhaven Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an introductory overview of areas of psychological investigation, introducing students to the study of individuals and human experience. It aims to acquaint non-psychology majors with the discipline, but may also provide additional background to students intending to specialize in psychology. Topics covered include learning, cognition, motivation, emotion, personality and lifespan development. The aim of this course is to introduce the major areas of study in the science of psychology.

PSYC121 Foundations of Psychology A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is a prerequisite for enrolment in second year psychology subjects. With Psyc122 and Psyc123 it comprises an introduction to theories and practical skills in psychology. It introduces students to the science of psychology. The content will focus on the way the individual's biological and psychological systems function. In particular, the subject will examine the historical context of psychology, biological bases of human behaviour, lifespan development, motivation and emotion, personality theory and assessment, individual differences and states of consciousness.

PSYC122 Foundations of Psychology B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: PSYC123
Subject Description: This subject is a prerequisite for enrolment in second year psychology subjects. The subject examines the way in which individuals perceive and learn about their world, the ways in which group membership influences behaviour, the nature of psychological dysfunction, and the role of psychology in influencing health. Topics covered include learning, perception, intelligence, memory, cognition, psychology of abnormality, social psychology, and human relations.

PSYC123 Theory Design and Statistics in Psychology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is a prerequisite for enrolment in second year psychology subjects. With PSYC121 & PSYC122, it comprises an introduction to theories, and practical skills in psychology such as research design and statistical analysis. PSYC123 introduces students to statistics and methodology in the science of psychology. The content will focus on the use of a range of elementary statistical procedures, descriptive statistics and exploratory data analysis, normal probability and sampling distributions, and the use and interpretation of statistical tests, including t tests, the correlation coefficient and chi-square. The use of computers in statistical calculations will be introduced. The method component considers the context of scientific research, theories and hypotheses, varieties of research design, experimental comparisons, correlation and causation, reliability and validity, and ethical issues.

PSYC216 Psychology of Physical Activity

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (PSYC101) OR (PSYC121) OR (PSYC122) OR (PSYC123)
Co-requisites: None
Subject Description: PSYC 216 examines evidence on the health benefits of physical activity; how physical activity habits may be measured; how physical activity is distributed in populations; its major determinants; how psychological theories or models can guide interventions to promote physical activity; the evidence base on which interventions can be developed; and evidence on the outcomes of trials of interventions, including community, mass-media and public health policy initiatives.

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PSYC231 Personality

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (PSYC121 and PSYC122 and PSYC123)
Co-requisites: None
Subject Description: This subject provides an historical overview of, and bases of comparison between, many of the major approaches to personality. These include psychoanalysis, behaviourism, existentialism, personal construct psychology, neo-Freudian approaches, trait theory, social learning theory and humanistic psychology. Coverage includes both accounts of normal and abnormal personalities, motivation, individual differences, developmental dimensions, relevant research and therapeutic relevance where appropriate.

PSYC234 Biological Psychology and Learning

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (PSYC121 and PSYC122 and PSYC123)
Co-requisites: None
Subject Description: This subject will begin to examine the biological mechanisms underlying behaviour and changes in behaviour brought about by experience, as well as examining the psychophysiological and behavioural measures frequently employed to study these processes. Topics will include genetics, the nervous and endocrine systems, arousal, attention, learning, memory, language, Pavlovian and instrumental conditioning, habituation and orienting reactions. The practical component will include an introduction to the techniques and experimental methods used in the study of learning and psychophysiology, including the recording of the electrocardiograph, skin conductance, and the electroencephalograph.

PSYC236 Cognition and Perception

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: (PSYC121 and PSYC122 and PSYC123)
Co-requisites: None
Subject Description: This subject provides an overview of two broad content areas in experimental psychology. Perception is the study of how information is acquired from the environment through sensory organs. Cognition is concerned with the storage, manipulation and retrieval of such information. Lectures draw upon findings from both behavioural and neuropsychological studies. Topics covered include visual perception, attention, memory, language. Students learn how to conduct, analyse, and interpret experimental research.

PSYC241 Developmental and Social Psychology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: (PSYC121 and PSYC122 and PSYC123)
Co-requisites: None
Subject Description: This subject discusses core issues in child, adolescent and adult development with an emphasis on behaviour in the perceptual, cognitive, and social environment. Half of the subject will provide a developmental framework from the neonatal stage through adulthood. Key theories and empirical aspects in perceptual, cognitive and emotional development will be covered. Ethical issues concerning research involving children will also be addressed. The second half emphasises the contributions of social psychology to understanding individual behaviour in societal context including the workplace. The development of the social self, attitudes, prejudice and the importance of social cognition will be covered. The implications of issues arising from these core topics to indigenous psychology will also be considered.

PSYC246 Special Research Topic

Spring Wollongong On Campus
Autumn Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: Prior approval by Head of Department required.
Co-requisites: Not to be counted with more than one other 200 level psychology subject.
Subject Description: On successful completion of this subject students will be able to identify the major steps necessary to carry out a research project in Psychology, including problem specification, surveying the existing literature, appropriate data collection and analysis techniques, and report writing. Students will understand the importance of team work and have demonstrated small group presentation techniques.

PSYC249 Applied Psychology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: (18 Credit points of 100 Level Psychology, inlcuding PSYC121 and PSYC122 and PSYC123)
Co-requisites: None
Subject Description: The aim of this subject is to introduce students, to some applications of psychology. It is an optional subject in the BA and BSc, but is core to the BPsych, BA (Hons.), and BSc (Hons.). The aim of this subject is to demonstrate how main principles of psychology are applied in diverse settings. Topics to be covered include health psychology, organisational psychology, and forensic psychology. The seminar program will illustrate applications of psychology with specific reference to the main lecture topics. Case studies in each area will be highlighted

PSYC250 Quantitative Methods in Psychology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (PSYC121 and PSYC122 and PSYC123)
Co-requisites: None
Subject Description: PSYC 250 is compulsory for a psychology major. It is a pre-requisite for PSYC 354: Design and Analysis, which is required for admission to the honours stream. It is one of the required areas of coverage for accreditation of majors and four year degrees by the Australian Psychology Accreditation Council. The emphasis of this subject in research methods and statistics is to provide the student with the skills necessary to understand variability and probabilistic behaviours. These skills will be developed around an understanding of experimental and quasi-experimental methods. Thus, the focus of much of this subject is on an understanding of experimental methods and choice of appropriate statistical analysis for a given experimental

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design. Considerable attention is given to explaining the conceptual rationale underlying each analysis covered in the course, and its application to research in the behavioural sciences. The content of the practical classes entails extensive use of SPSS, a statistical package.

PSYC315 Psychology of Abnormality

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250 b) from 2003-2006, PSYC231,241,234,236 & 247. c) before 2003 24 credit points of 200 level psychology excluding PSYC216
Co-requisites: None
Subject Description: This subject involves a systematic examination of the variety of mental disorders found in adults and children. In addition to the descriptive psychopathology necessary to identify the disorders, contemporary issues relating to theories of causation and treatment are examined. In addition, clinical assessment and methods of therapeutic intervention make up an important component of this course.

PSYC318 Change Throughout the Lifespan

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC231 is a specified pre-req. b) from 2003-2006, PSYC231,241,234,236 & 247, PSYC231 is a specified pre-req. c) before 2003 24 credit points of 200 level psychology excluding PSYC216
Co-requisites: None
Subject Description: This subject focuses on the kinds of changes that occur to people throughout their life and on ways to facilitate and cope with those processes. Changes in intelligence, personality, and social interactions in adulthood and old age are considered. Theories concerning the nature of life-span change are addressed, along with relevant empirical studies. One approach to understanding and facilitating changes,personal construct psychology, will be considered in detail. Some personal exploration will be undertaken by those enrolled.

PSYC345 Advanced Topics in Cognition

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 & 236 are a specified pre-reqs b) from 2003-2006, PSYC231,241,234,236 & 247, PSYC247 & 236 are a specified pre-reqs. c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232 & 236
Co-requisites: None
Subject Description: This subject offers more advanced training in experimental psychology, and particularly the method and theories of cognitive psychology. It is one of the subjects that provides a solid grounding in empirical psychology. The subject will extend students' knowledge of cognitive psychology from the framework acquired in PSYC236. It provides a detailed examination of a number of areas which may include short-term-memory, the psychology of reading, face recognition and reasoning. The practical program involves extensive experience of experimentation in cognitive psychology where stuents will act both as participants and researchers. Some of these experiments will be written up as lab reports or short assignments.

PSYC347 Assessment and Intervention

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250 b) from 2003-2006, PSYC231,241,234,236 & 247. c) before 2003 24 credit points of 200 level psychology excluding PSYC216
Co-requisites: None
Subject Description: This subject provides students with an overview of widely used psychological assessment procedures (including personality and intelligence assessments). Intervention programs and their efficacy will also be discussed, as well as ethical and legislative requirements and consumer and carer participation. Areas of focus will include both clinical and non clinical settings. The subject will also deal with the counselling process by introducing students to basic interviewing skills used in counselling. Seminar and Workshop Sessions will provide students with an opportunity to observe counselling micro-skills and participate in group discussions and seminars.

PSYC348 History and Metatheory of Psychology

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250 b) from 2003-2006, PSYC231,241,234,236 & 247. c) before 2003 24 credit points of 200 level psychology excluding PSYC216
Co-requisites: None
Subject Description: This subject introduces (1) the origins and development of major approaches in modern psychology, and (2) important conceptual issues in psychology. It discusses the concepts needed to evaluate the theories, methods, accounts and practices that we encounter in psychology, and applies these concepts to various psychological problems. Topics include materialist and causal views of psychology, behaviourist analyses of mental processes, psychoanalytic explanation, rationalist and phenomenological accounts of mind and ethical and ideological considerations in psychology.

PSYC349 Visual Perception

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 & 236 are a specified pre-reqs b) from 2003-2006, PSYC231,241,234,236 & 247, PSYC247 & 236 are a specified pre-reqs. c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232 & 236
Co-requisites: None
Subject Description: This subject covers the following aspects of visual perception - lightness and colour; motion; shape and object perception; depth and stereopsis; spatial and temporal resolution - and the applications of

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each, uniting them by focusing on the environmental variables to which the visual system is sensitive, and the neural mechanisms underlying these sensitivities.

PSYC350 Social Behaviour and Individual Differences

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC241 & 250 are a specified pre-reqs b) from 2003-2006, PSYC231,241,234,236 & 247, PSYC241 & 247are a specified pre-reqs. c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232 & 241
Co-requisites: None
Subject Description: This subject allows students to study selected topics in social psychology in more detail. The emphasis is on the extent to which one can explain social behaviours (eg. prejudice, crime, close relationships, particular adolescent behaviours) on the basis of individual differences and personality traits. An integral part of the subject will include the formulation of a research proposal by each student.

PSYC352 Psychophysiology

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 & 234 are a specified pre-reqs b)from 2003-2006, PSYC231,241,234,236 & 247, PSYC247 & 234 are a specified pre-reqs. c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232 & 234
Co-requisites: None
Subject Description: This subject concentrates on psychophysiology as the systematic examination of peripheral and central physiological correlates of perceptual and cognitive functioning. Students will attain a basic level of proficiency in the electrical recording and assessment of a range of autonomic measures (including muscle, respiratory, cardiovascular, and electrodermal activity), as well as the traditional central indicators (EEG and event related potentials). Current research using these techniques will be examined.

PSYC354 Design and Analysis

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 is a specified pre-reqs b) from 2003-2006, PSYC231,241,234,236 & 247 & 248, c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232
Co-requisites: None
Subject Description: PSYC354 develops skills in the design and analysis of research investigations involving statistics. It is a pre-requisite for PSYC499. Statistical computing is an essential part of the course. Topics covered: statistical techniques in psychological research, experimental and observational research designs, analysis of survey data; analysis of variance and covariance; regression; factor analysis; multivariate analysis.

PSYC410 Honours Empirical Thesis

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: See Honours entry requirements
Co-requisites: None
Subject Description: The Empirical Thesis consists of an individually supervised research project presented as a 12,000 word thesis. Research topics are drawn from the range of empirical research interests of the School staff and are in areas such as personality and social psychology, psychometrics, clinical psychology, psychophysiology, learning, cognition, perception, and development. Students are instructed and involved in all aspects of the research process: selection and justification of the topic, reviews of the relevant empirical and theoretical literature, design of the research, applying for ethics approval of the research, collection and analysis of data and interpretation of results.

PSYC412 Honours Data Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: See Honours entry requirements
Co-requisites: None
Subject Description: The emphasis of this subject is on the application of multivariate techniques in data analyses to practical problems, and issues pertaining to selection of an appropriate analysis will be discussed in depth. Towards the end of the subject, a number of case studies in data analysis will be presented aimed at promoting the integration of old and new techniques for the analysis of data.

PSYC413 Honours Theory

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: See Honours entry requirements
Co-requisites: None
Subject Description: The Honours Theory Seminar examines key theoretical and metatheoretical issues in contemporary psychology, especially as they affect the specialisations and chosen subjects of the students. The subject also aims to sharpen critical reasoning and arguing skills.

PSYC414 Honours Theoretical Thesis

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: See Honours entry requirements
Co-requisites: None
Subject Description: An Honours Theoretical Thesis may be undertaken by Honours Students, depending on the availability of suitable topics and supervisors. It consists of an individually tailored course of study assessed by a 7,000 word (maximum) thesis. Theoretical theses topics may be drawn from very general metatheoretical topics like the mind/brain issue, topics in cognitive science, historical topics, through to more specific evaluation of theories, concepts and approaches, reviews and critical studies of research domains, to more 'exotic' topics like psychology and aesthetics, or psychological themes in popular literature.

PSYC478 Child & Adolescent Psychology

Autumn Wollongong On Campus
Credit Points: 6

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Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program
Co-requisites: None
Subject Description: This subject focuses on a range of childhood and adolescent concerns or problem behaviours within a broad developmental framework. The subject will provide students with a general introduction to the specific problems and needs of children and parents who present to psychologists in clinical practice. Individual and family based assessment and intervention approaches will be examined for problems such as mental retardation, conduct disorders, attention deficit hyperactive disorders, learning problems, anxiety and depressive disorders, and early onset psychosis.

PSYC479 Major Research Project

Annual Wollongong On Campus
Credit Points: 18
Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program
Co-requisites: None
Subject Description: Students complete an empirical study on a research topic chosen from given areas of staff expertise. Projects may be conducted in small groups, however, write-ups will be completed and assessed individually. Weekly research seminars consist of discussion of the research process, selecting a topic, and enhancing writing and oral presentation skills. The completed write-up will be a research report of 9,000 words.

PSYC484 Social Psychology and Health

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: See Honours entry requirements
Co-requisites: None
Subject Description: This subject addresses key theoretical and empirical issues in the area of Social Psychology and explains their implications for health behaviours. The focus is on the joint effects of internal and external processes in the causation and maintenance of human behaviours. Emphasis is placed on elaborating social psychological models of health behaviours, the roles of attitudes, values and beliefs in shaping different behaviours and the effects of conformity, compliance and life events on behaviour. A range of psychological and health principles will be examined within the context of formulating treatment and evaluation proposals or prevention programs designed to change social behaviours in relation to health issues, such as stress and coping strategies, drug and alcohol abuse, sexual behaviours, exercise and nutrition, and aged care. The applicability of major research findings across cultures will also be addressed.

PSYC485 Principles & Practices of Psychological Assessment

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program
Co-requisites: None
Subject Description: The aim of this subject is to examine the principles underpinning psychological assessment and introduce students to the practices of psychological assessment. The subject is designed to integrate learning in previous years including theories of personality, intelligence combined with statistical theory and then examine how these issues are used in practice. Criteria to understand and evaluate psychological tests will be used as a common theme throughout the subject, including examination of their construct validity. The general ethical issues of psychological assessment will be compared to the specific Australian Psychological Society guidelines for psychological assessment. After examination of the theoretical principles, students will have the opportunity to administer, score and interpret commonly used assessment tools used to assess general intelligence, emotional intelligence, personality and vocational preference and psychological well-being for adults and children.

PSYC488 Contemporary Issues for Professional & Research Psychologists

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program
Co-requisites: None
Subject Description: This subject draws together key issues in ethics, research and professional practices in psychology. Ethics theory will be addressed and ethical and legal issues will be explored in research, therapeutic and professional settings. Other contemporary issues in experimental psychology and clinical practice including, for instance, the psychophysiology of ADHD, conflict resolution, funding applications, supervision and self care, reflective practice, are also covered.

PSYC489 Advanced Abnormal Psychology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Acceptance into the Psyc. Hons. Program or acceptance into the BPsyc (non-Hons.) Program
Co-requisites: None
Subject Description: This subject builds upon previous study in core areas of abnormal psychology, with contributions from personality, learning, and developmental psychology to consider the way theories of human behaviour help our understanding of psychopathology. Students will be expected to develop a critical and analytical understanding of the conceptual frameworks and assumptions of a number of major schools of abnormal psychology. The etiology and maintenance of clinical disorders will be examined from a variety of theoretical and research perspectives.

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Faculty of Informatics

Member Units

School of Computer Science and Software Engineering
School of Electrical, Computer and Telecommunications Engineering
School of Information Systems and Technology
School of Mathematics and Applied Statistics

Degrees Offered

Single Degrees

Bachelor of Computer Science*
Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering)*
Bachelor of Information Systems*
Bachelor of Information Technology*
Bachelor of Internet Science and Technology*
Bachelor of Mathematics
Bachelor of Mathematics Advanced
Bachelor of Mathematics and Economics*
Bachelor of Mathematics and Finance*

Bachelor of Mathematics Education (See Faculty of Education)

Double Degrees

Bachelor of Computer Science - Bachelor of Science
Bachelor of Creative Arts - Bachelor of Computer Science
Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering) - Bachelor of Arts
Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering) - Bachelor of Commerce
Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering) - Bachelor of Mathematics
Bachelor of Engineering (Computer, Electrical, Telecommunications Engineering) - Bachelor of Science
Bachelor of Mathematics - Bachelor of Computer Science
Bachelor of Engineering (Faculty of Engineering) – Bachelor of Computer Science (See Faculty of Engineering)
Bachelor of Engineering (Faculty of Engineering) - Bachelor of Mathematics (See Faculty of Engineering)
Bachelor of Science (Physics) – Bachelor of Mathematics (See Faculty of Engineering)
Bachelor of Computer Science - Bachelor of Laws (See Faculty of Law)
Bachelor of Mathematics - Bachelor of Laws (See Faculty of Law)

Degrees marked with an asterisk (*) are also available in the Dean's Scholars program.

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/index.html
International - www.uow.edu.au/prospective/international/fees/

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Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Computer Science (name of major)
Abbreviation:	BCompSc
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong; INTI College, Sarawak, Malaysia; SIM Singapore
UOW Course Code:	766, MY766, SG766
UAC Code:	754101
CRICOS Code:	012088K

Overview

Computer scientists design and write programs for computer applications. These applications include computer systems to control machinery, the analysis of stock market trends, games design, visualisation of chemical reactions, neural network design, computational geometry for robot navigation, automatic teller machines and patient monitoring in hospitals.

Computer programming is the science of writing computer software to solve problems. Computer science is the study of algorithmic processes that describe and transform information: theory, analysis, design, efficiency, programming and application.

This degree includes a core of programming subjects as well as electives in database, languages, artificial intelligence, computer security, computer graphics, operating systems, real-time software and software engineering.

A high point of the degree is the third year project where students form teams to develop computer applications. High-achieving students may complete a fourth year Honours degree.

UOW's Computer Science degree allows you to specialise in software development, distributed systems or digital systems security, as well as study other disciplines including management, visual arts, languages, commerce and mathematics. You can take subjects from another discipline, study a second major or enrol in a double degree.

Entry Requirements / Assumed Knowledge

Approximate UAI: 77

Assumed Knowledge: Any two units of English plus Mathematics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

http://www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

Students who enrol in Bachelor of Computer Science shall accrue an aggregate of at least 144 credit points by satisfactory completion of:

1. The following core subjects:

ISIT102	Information Systems
CSCI103	Algorithms & Problem Solving
CSCI114	Procedural Programming
CSCI124	Applied Programming
MATH121	Discrete Mathematics
STAT131	Understanding Variation & Uncertainty
IACT201	Information Technology & Citizens' Rights
CSCI203	Algorithms and Data Structures
CSCI204	Object Programming and Frameworks
CSCI212	Interacting Systems
CSCI222	Systems Development
CSCI321	Project

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Note: STAT151 can be used as a substitute for STAT131

2. An additional 24 credit points of 300-level subjects, of which 12 credit points must be CSCI subjects.
3. At least 24 credit points of CSCI 300-level subjects, including CSCI321, must be at pass grade or better.
4. No more than 60 credit points at 100-level.
5. At least 48 credit points of subjects chosen from the Computer Science Schedule and/or the General Schedule.
6. No more than 24 credit points (i.e. 1/6) of subjects at PC grade.

Areas of Major Study

Students enrolled in this degree may major in:

Digital Systems Security (CS42)

Multimedia and Game Development (CS53)

Enterprise Systems (CS60)

Software Engineering (CS64)

A major study

To satisfy the requirements for a major study a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed in the course requirement, and 24 credit points selected from the subject list for the major, at least 18 credit points of which must be at 300 level, with the exception of the Software Engineering major.

Note that certain 300 level subjects, required as part of a major, may have 200 level prerequisite subjects which are not listed as part of the major.

Approved double majors are available in:

A major in Software Engineering (code CS64) can be combined with Multimedia and Game Development (code CS59), Digital Systems Security (code CS65), or Enterprise Systems (code CS61).

A major in Digital Systems Security (code CS42) can be combined with Multimedia and Game Development (code CS57), Enterprise Systems (code CS62), or Software Engineering (code CS65).

A major in Enterprise Systems (code CS60) can be combined with Multimedia and Game Development (code CS63), Digital Systems Security (code CS62), or Software Engineering (code CS61).

A major in Multimedia and Game Development (code CS53), can be combined with Enterprise Systems (code CS63), Digital Systems Security (code CS57), or Software Engineering (code CS59).

Note, that it is not a requirement for the award of this degree that a major study be undertaken.

Even though a single major in Computer Science is not available in a BCompSc, it is available as a double major with the following disciplines.

Biological Sciences

Chemistry

Electronic Commerce

Electronics

English Language and Linguistics

Geosciences

Management

Marketing

Mathematics

Politics

*When checking if someone is eligible for the double major in Computer Science and a discipline listed above, it should be assumed that to satisfy the requirements for a major study in Computer Science a student shall satisfactorily complete the BCompSc core subjects as listed in the course requirements, plus an additional 12 credit points of 300-level CSCI subjects.

All candidates are expected to consult with the School and Faculty advisers before committing themselves completely to any particular pattern, whether outlined above or not.

Computing Science major study for students undertaking undergraduate degrees other than the Bachelor of Computer Science

To be eligible for the award of a major study in Computer Science, students undertaking undergraduate degrees other than the BCompSc must satisfactorily complete no fewer than 48 credit points of undergraduate computer science subjects, at least 24 credit points of which must be at the 300-level.

Computer Science Schedule

Subjects	Session	Credit Points

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100-Level

CSCI102	Systems	Autumn	6
CSCI103	Algorithms & Problem Solving	Autumn/Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
CSCI124	Applied Programming	Autumn/Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH141	Mathematics 1C - Part I	Autumn	6
MATH142	Mathematics 1C - Part II	Spring	6
MATH187	Mathematics 1A - Part 1	Autumn	6
MATH188	Mathematics 1A - Part 2	Spring	6
STAT131	Understanding Variation & Uncertainty	Autumn	6

200-Level

CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	Object Programming and Frameworks	Autumn/Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI213	Java Programming & Object Oriented Design	Spring	6
CSCI222	Systems Development	Spring	6
CSCI231	Operating Systems	Spring	6
CSCI235	Databases	Spring	6
CSCI236	3D Modelling & Animation*	Spring and Summer	6
CSCI262	Systems Security	Spring	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ITCS206	Markup Languages	Autumn	6
MATH203	Linear Algebra	Autumn	6

* Please note that this subject runs over both Spring and Summer sessions. Results will not be declared until the end of Summer session, so this subject is not suitable for anyone wishing to graduate in December.

300-Level

CSCI311	Software Process Management	Autumn	6
CSCI313	Professional Programming Practices	n/o in 2008	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI317	Database Performance Tuning	Spring	6
CSCI318	Software Engineering Practices & Principles	Spring	6
CSCI319	Distributed Systems	Autumn	6
CSCI321	Project	Annual	12
CSCI322	Systems Administration	Spring	6
CSCI323	Artificial Intelligence	Spring	6
CSCI324	Human Computer Interface	Autumn	6
ITCS332	Web Design	n/o 2008	6
CSCI333	Compilers	n/o 2008	6
CSCI334	Interfacing and Real Time Programming	n/o 2008	6
CSCI336	Computer Graphics	Autumn	6
CSCI337	Organisation of Programming Languages	Spring	6
CSCI356	Game Engine Fundamentals	Spring	6
CSCI361	Computer Security	Autumn	6
CSCI365	CSCI Honours Preliminary Project	n/o 2008	6
CSCI368	Network Security	Spring	6
CSCI370	Special Topics in Computer Science A	n/o 2008	6

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CSCI371	Special Topics in Computer Science B	n/o 2008	6
CSCI372	Special Topics in Computer Science C	n/o 2008	6
CSCI373	Special Topics in Computer Science D	n/o 2008	6
CSCI399	Server Technology	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT303	World Wide Networking	Spring	6
IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
ITCS301	Exploiting Collaborative Technologies	Spring	6

400-Level

CSCI410	Formal Methods in Software Engineering	Autumn	6
CSCI424	Reasoning & Learning	Spring	6
CSCI426	Software Testing & Analysis	Autumn	6
CSCI427	Service-Oriented Software Engineering	Spring	6
CSCI435	Computer Vision	Spring	6
CSCI444	Perception and Planning	Spring	6
CSCI446	Multi-Media Studies	Autumn	6
CSCI450	Software Engineering Requirements & Specifications	Spring	6
CSCI436	Visualisation	Autumn	6
CSCI464	Computational Intelligence	Autumn	6
CSCI466	Coding for Secure Communication	Autumn	6
CSCI471	Advanced Computer Security	Spring	6
INFO411	Data Mining and Knowledge Discovery	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
INFO413	Information Theory	n/o 2008	6
INFO433	Pattern Recognition	Autumn	6
ITCS429	Concepts and Issues in Healthcare Computing	Spring	6
ITCS430	Introduction to Health Informatics	Autumn	6
ITCS431	Advanced Web Application Development	n/o 2008	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6

Honours

Candidates who achieve a credit average or better in the Bachelor of Computer Science, or a major in computer science in another degree, are eligible to enrol in an additional year of study towards a Bachelor of Computer Science (Honours) (BCompSc(Hons)).

To qualify for the Bachelor of Computer Science (Honours), candidates must complete CSCI400 and follow the rules listed below. The level of honours awarded at the completion of the course is determined in accordance with University General Course Rules.

The program of study for Bachelor of Computer Science (Honours), is 48 credit points and will include:

1. CSCI400 Computer Science Honours Project, an 18 credit point project;
2. CSCI441 Research Methodology;
3. 24 credit points of 400-/900-level Computer Science subjects;
   With the permission of the Head of School, candidates may substitute up to 12 credit points of subjects with 300-level Computer Science subjects or 400-level subjects from another discipline;

Set out below is a sample of subjects which may be taken as part of the Bachelor of Computer Science (Honours):

Network Security

Formal Methods in Software Engineering

Reasoning & Learning

Software Testing & Analysis

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Service-Oriented Software Engineering
Computer Vision
Perception and Planning
Multi-Media Studies
Software Engineering Requirements & Specifications
Visualisation
Computational Intelligence
Coding for Secure Communication
Advanced Computer Security
Data Mining and Knowledge Discovery
Mathematics for Cryptography
Information Theory
Pattern Recognition

Joint Honours with Computer Science

CSCI405 – Computer Science Joint Honours comprises one half of the Bachelor of Computer Science (Honours) program and is available to students who wish to undertake a joint honours project. This is particularly suited to students who have undertaken a double major in the Bachelor of Computer Science degree. A thesis topic will be determined in consultation with both academic units.

Professional Recognition

The Bachelor of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

Digital Systems Security (code CS42)

Major Study

To satisfy the requirements for a major study in Digital Systems Security, a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed in the course requirements, plus the following additional subjects:

Subjects		Session	Credit Points
200-Level			
CSCI262	Systems Security	Spring	6
300-Level			
CSCI319	Distributed Systems	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI368	Network Security	Spring	6

Double Majors

A major in Digital Systems Security (code CS42) can be combined with Multimedia and Game Development (code CS57), Enterprise Systems (code CS62), or Software Engineering (code CS65).

Multimedia and Game Development (code CS53)

Major Study

To satisfy the requirements for a major study in Multimedia and Game Development, a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed in the course requirements, and the following additional subjects:

Subjects		Session	Credit Points
Year 2			
CSCI236	3D Modelling and Animation*	Spring/Summer	6
Year 3			
Choose 3 (18cp) from following:			
CSCI336	Computer Graphics	Autumn	6
CSCI346	Game Development	Autumn	6
CSCI356	Game Engine Fundamentals	Spring	6
CSCI366	Multimedia Computing	Autumn	6

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* Please note that this subject runs over both Spring and Summer sessions. Results will not be declared until the end of Summer session.

DESN190 is strongly recommended but not mandatory

DESN190	Introduction to Digital Imagemaking	Summer	6

Students are strongly encouraged to choose some electives from Creative Arts. Please consult with staff in the Faculty of Creative Arts regarding appropriate subjects.

Double Majors

A major in Multimedia and Game Development (code CS53), can be combined with Enterprise Systems (code CS63), Digital Systems Security (code CS57), or Software Engineering. (code CS59).

Enterprise Systems (code CS60)

Major Study

To satisfy the requirements for a major study in Database and Enterprise Systems Applications, a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed above, and the following additional subjects:

Subjects		Session	Credit Points
200-Level			
ITCS206#	Markup Languages	Autumn	6
NB: #It is recommended that ITCS206 be taken in year 3			
CSCI213	Java Programming and Object Oriented Design	Spring	6
NB: *CSCI262 Systems Security is strongly recommended but not mandatory			
CSCI262	Systems Security*	Spring	6
300-Level			
Choose 3 (18cp) from following:			
CSCI315	Database Design and Implementation	Autumn	6
CSCI317	Database Performance Tuning	Spring	6
CSCI398	Introduction to Enterprise Computing	Spring	6
CSCI399	Server Technology	Spring	6

Double Majors

A major in Enterprise Systems (code CS60) can be combined with Multimedia and Game Development (code CS63), Digital Systems Security, (code CS62), or Software Engineering (code CS61).

Software Engineering (code CS64)

Major Study

To satisfy the requirements for a major study in Software Engineering, a student shall satisfactorily complete the Bachelor of Computer Science core subjects, as listed in the course requirements, and the following additional subjects:

Subjects		Session	Credit Points
200-Level			
CSCI205	Development Methods and Tools	Spring	6
MGMT208	Introduction to Management for Professionals A	Spring	6
300-Level			
CSCI311	Software Process Management	Autumn	6
CSCI318	Software Engineering Practices & Principles	Spring	6

Double Majors

A major in Software Engineering (code CS64) can be combined with Multimedia and Game Development (code CS59), Digital Systems Security (code CS65), or Enterprise Systems (code CS61).

Biological Sciences

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of one of the following 60 credit point majors in Biological Sciences:

Environmental and Ecological Strand

Subjects	Session	Credit Points

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100-Level			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
200-Level			
BIOL240	Functional Biology of Plants & Animals	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
Note: STAT252 is equivalent to STAT151. Students undertaking this double major may choose to undertake STAT151 OR STAT252.			
300-Level			
BIOL332	Ecological & Evolutionary Physiology	Autumn	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8

Cell and Molecular Strand

Subjects		Session	Credit Points
100-Level			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A	Autumn	6
CHEM102	Chemistry 1B	Spring	6
200-Level			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL215	Introductory Genetics	Spring	6
300-Level			
BIOL320	Molecular Cell Biology	Autumn	8
BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
BIOL321	Infection and Immunity	Spring	8

Chemistry

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of the following 60 credit point major in Chemistry:

Subjects		Session	Credit Points
100-Level			
CHEM101	Chemistry 1A	Autumn	6
CHEM102	Chemistry 1B	Spring	6
200-Level			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
300-Level			
At least 3 subjects chosen from the following:			
CHEM301	Advanced Materials and Nanotechnology	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM327	Environmental Chemistry	Autumn	8

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CHEM340	Chemistry Laboratory Project	Autumn/Spring/ Summer	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8

Electronic Commerce

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of the following 54 credit point major study in Electronic Commerce:

Subjects		Session	Credit Points
200-Level			
IACT201	Information Technology and Citizens' Rights	Autumn	6
Plus			
200-level Electronic Commerce subjects			18
300-Level			
IACT303	World Wide Networking	Spring	6
Plus			
300/400-level Electronic Commerce subjects			18
Plus			
200/300-level Electronic Commerce subject			6

Note: Students should choose electives carefully as many of the following subjects have pre-requisites. Depending upon subject choice, a load of more than four subjects per session may be required to complete this double major within the normal three year period.

Electronic Commerce Subjects

ACCY231	Information Systems in Accounting	Spring	6
ACCY332	Advanced Information Systems in Accounting	Autumn	6
ACCY335	Advanced Information Systems in Accounting II	Spring	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
CSCI213	Java Programming & Object Oriented Design	Autumn	6
CSCI214	Distributed Systems	Autumn	6
CSCI236	3D Modelling & Animation*	Spring and Summer	6
CSCI311	Software Process Management	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI399	Server Technology	Autumn	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
ECON312	Industrial Economics	Autumn	6
ECON319	Electronic Commerce and the Economics of Information	Spring	6
FIN 353	Global Electronic Finance	Autumn	6
IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT419	Online Information Services	Spring	6
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
LAW 210	Contract Law	Spring	6
LAW 317	E-Commerce Law	n/o 2008	6

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LAW 331	Intellectual Property Law	Autumn	6
MARK301	Internet Applications for Marketing	Spring	6
MGMT200	Management and Electronic Business	Autumn	6
MGMT300	Innovation and Electronic Commerce	Spring	6

* Please note that this subject runs over both Spring and Summer sessions. Results will not be declared until the end of Summer session, so this subject is not suitable for anyone wishing to graduate in December.

Electronics

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of the following 66 credit point major study in Electronics:

Subjects		Session	Credit Points
100-Level			
ECTE172	Introduction to Circuits and Devices	Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
200-Level			
ECTE202	Circuits and Systems	Annual	6
ECTE212	Electronics	Spring	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
300-Level			
ECTE333	Digital Hardware 2	Annual	6
ECTE344	Control Theory	Autumn	6
Plus			
ECTE301	Digital Signal Processing 1	Autumn	6
Or			
ECTE363	Communication Systems	Spring	6

Note: A load of more than four subjects per session may be required to complete this double major within the normal three year period.

English Language and Linguistics

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of a major study in English Language and Linguistics, as outlined in the Bachelor of Arts entry.

Note that a major in English Language and Linguistics for Non-English Speaking Background (NESB) students consists of 58 credit points, while a major in English Language and Linguistics for English Speaking Background (ESB) students consists of 52 credit points.

Geosciences

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of the following 60 credit point major in Geosciences:

Subjects	Session	Credit Points
100-Level		
At least two 100-level subjects chosen from the Earth and Environmental Sciences Schedule		12
200-Level		
At least four 200-level subjects chosen from the Earth and Environmental Sciences Schedule		24
300-Level		
At least three 300-level subjects chosen from the Earth and Environmental Sciences Schedule		24

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Management

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of a major study in Management, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Management major. All students must satisfy subject prerequisites except where waivers have been granted.

Marketing

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of a major study in Marketing, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Marketing major. All students must satisfy subject prerequisites except where waivers have been granted.

Mathematics

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of at least 60 credit points of subjects chosen from the Mathematics Schedule, including at least 18 credit points of 200-level MATH/STAT subjects and 24 credit points of 300-level MATH/STAT subjects.

Politics

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of a major in Politics, as outlined in the Bachelor of Arts entry. A major in Politics consists of 52 credit points of politics subjects, including at least 24 credit points at 300-level.

Bachelor of Engineering

Testamur Title of Degree:	Bachelor of Engineering (name of major)
Majors available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Abbreviation:	BE
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	722E
UAC Code:	755621, 755622, 755623.
CRICOS Code:	031273G

Overview

The aim of the Bachelor of Engineering degree is to produce professional engineers who possess the graduate attributes of the University and Engineers Australia and the requisite knowledge, skills and attitudes to further develop in their chosen careers; and who graduate with the proficiency to compete successfully anywhere in the world. The success of the degree in meeting this aim is evidenced by the number of graduates employed by large corporations in Australia, the United Kingdom, the United States of America, Europe and Asia.

The degree programs offered are enriched by the industry partnerships, which exist between the University and industry. Traditionally, Engineering at Wollongong has had close ties with the Port Kembla steel industry and these continue today. Research activities have diversified over the years with the establishment of major research institutes and centres in fields such as Telecommunications and Information Technology, Power Quality and Reliability.

There are three majors within the degree, viz., Computer, Electrical and Telecommunications Engineering. For all three majors, the program of study is common until the end of Autumn Session in Year 3, providing students with the opportunity to finally select the major of their choice at the end of that session. The course programs are presented below.

In addition, four double degrees are offered. The double degrees provide the opportunity for students to combine their engineering studies with a Bachelor of Arts, Bachelor of Commerce, Bachelor of Mathematics or Bachelor of Science. Full details of the programs of study for the double degrees are presented in the next section.

Entry Requirements / Assumed Knowledge

Approximate UAI: 80

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1 and Physics.

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For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

http://www.uow.du.au/handbook.generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

For the Bachelor of Engineering, students must satisfactorily complete at least 192 credit points of subjects prescribed in one of the major studies listed below.

The degree may be completed in a minimum of four years of full-time study; however, subjects are scheduled so that it may also be undertaken on a part-time basis, in which case the duration will depend upon the particular circumstances of the student. Progression is by subject but the various subject pre- and co-requisites must be satisfied.

There is a recommended program for a full-time, four year minimum course and a preferred part-time program for students in approved, full-time professional employment. For holders of TAFE qualifications, programs will be determined on an individual basis but exemptions of up to 48 credit points may apply.

For the recommended full-time program, students are required to complete satisfactorily the first year before beginning the third year and to complete satisfactorily the second year before beginning the fourth year. With the approval of the Head of School, these requirements may be waived.

For the recommended part-time program, students are required to complete satisfactorily the first two stages before beginning the fourth stage and to complete satisfactorily the third stage before beginning the sixth stage. With the approval of the Head of School, these requirements may be waived.

Areas of Major Study

Computer Engineering – Full-time program – Part-time program

Electrical Engineering – Full-time program – Part-time program

Telecommunications Engineering – Full-time program – Part-time program

Professional Experience

All Bachelor of Engineering students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between Years 3 and 4.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year. The classes of honours awarded are defined in the Course Rules.

Professional Recognition

The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.

Computer Engineering

Recommended Full-Time Program

Common Core Subjects

Subjects		Session	Credit Points
Year 1			
CSCI191	Engineering Programming 1	Autumn	6
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/Summer	6

Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162

Year 2

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ECTE202	Circuits and Systems	Annual	6
ECTE250	Engineering Design and Management 2	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG291	Engineering Fundamentals	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE212	Electronics	Spring	6
ECTE222	Power Engineering 1	Spring	6

Computer Engineering Major

Subjects		Session	Credit Points
Year 3			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE331	Embedded Java Systems	Spring	6
ECTE363	Communication Systems	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6
Year 4			
ECTE457	Thesis	Annual	18
Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6

Final Year Major Subjects

These will be selected from the following lists. Unless class numbers warrant, not all subjects will be offered in any year.

Note: For the ECTE subjects a pre-requisite of "all year 2 subjects or equivalent" applies to EACH subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
CSCI318	Software Engineering Practices and Principles	Autumn	6
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE431	Real-Time Computing	Autumn	6
ECTE432	Computer Architecture	Spring	6
ECTE433	Embedded Systems	Autumn	6

Final Year Specialisation Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, not all subjects will be offered in any year.

Note: A pre-requisite of "all year 2 subjects or equivalent" applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE402	Optimum Signal Processing	n/o 2008	6

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ECTE412	Power Electronics and Drives	Autumn	6
ECTE423	Power System Analysis	Autumn	6
ECTE426	Power Distribution Systems	Spring	6
ECTE431	Real-Time Computing	Autumn	6
ECTE432	Computer Architecture	Spring	6
ECTE433	Embedded Systems	Autumn	6
ECTE441	Intelligent Control	Autumn	6
ECTE442	Computer Controlled Systems	Spring	6
ECTE465	Wireless Communication Systems	Spring	6
ECTE468	Error Control Coding	n/o 2008	6
ECTE471	Robotics and Flexible Automation	Spring	6
ECTE482	Network Engineering	Autumn	6

Computer Engineering

Recommended Part-Time Program for Students in Full-Time, Approved Professional Employment

Common Core Subjects

Subjects		Session	Credit Points
Stage 1			
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/ Summer	6
Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
Stage 2			
CSCI191	Engineering Programming 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6
Stage 3			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE222	Power Engineering 1	Spring	6
Stage 4			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE333	Digital Hardware 2	Annual	6
ENGG291	Engineering Fundamentals	Autumn	6
ECTE212	Electronics	Spring	6
Plus	1 General Schedule subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6

Computer Engineering Major

Stage 5			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE364	Data Communications	Autumn	6

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ECTE331	Embedded Java Systems	Spring	6
ECTE363	Communication Theory	Spring	6
Stage 6			
ECTE301	Digital Signal Processing	Autumn	6
	1 Computer Engineering Major Subjects	Autumn/Spring	6
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
Plus	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
	OR		
	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Stage 7			
ECTE457	Thesis	Annual	18
Plus	2 Computer Engineering Major Subject	Autumn	12

Final Year Major Subjects

These will be selected from the following lists. Unless class numbers warrant, not all subjects will be offered in any year.

Note: For the ECTE subjects a pre-requisite of "all year 2 subjects or equivalent" applies to EACH subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
CSCI318	Software Engineering Practices and Principles	Autumn	6
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE431	Real-Time Computing	Autumn	6
ECTE432	Computer Architecture	Spring	6
ECTE433	Embedded Systems	Autumn	6

Final Year Specialisation Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, not all subjects will be offered in any year.

Note: A pre-requisite of "all year 2 subjects or equivalent" applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE402	Optimum Signal Processing	n/o 2008	6
ECTE412	Power Electronics and Drives	Autumn	6
ECTE423	Power System Analysis	Autumn	6
ECTE426	Power Distribution Systems	Spring	6
ECTE431	Real-Time Computing	Autumn	6
ECTE432	Computer Architecture	Spring	6
ECTE433	Embedded Systems	Autumn	6
ECTE441	Intelligent Control	Autumn	6
ECTE442	Computer Controlled Systems	Spring	6
ECTE465	Wireless Communication Systems	Spring	6
ECTE468	Error Control Coding	n/o 2008	6
ECTE471	Robotics and Flexible Automation	Spring	6
ECTE482	Network Engineering	Autumn	6

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Electrical Engineering

Recommended Full-Time Program

Common Core Subjects

Subjects		Session	Credit Points
Year 1			
CSCI191	Engineering Programming 1	Autumn	6
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/Summer	6
Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE250	Engineering Design and Management 2	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG291	Engineering Fundamentals	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE212	Electronics	Spring	6
ECTE222	Power Engineering 1	Spring	6

Electrical Engineering Major

Subjects		Session	Credit Points
Year 3			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE323	Power Engineering 2	Spring	6
ECTE363	Communication Systems	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6
Year 4			
ECTE457	Thesis	Annual	18
Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6

Final Year Major Subjects

These will be selected from the following lists. Unless class numbers warrant, not all subjects will be offered in any year.

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Note: For the ECTE subjects a pre-requisite of "all year 2 subjects or equivalent" applies to EACH subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE402	Optimum Signal Processing	n/o 2008	6
ECTE412	Power Electronics and Drives	Autumn	6
ECTE423	Power System Analysis	Autumn	6
ECTE426	Power Distribution Systems	Spring	6
ECTE433	Embedded Systems	Autumn	6
ECTE441	Intelligent Control	Autumn	6
ECTE442	Computer Controlled Systems	Spring	6
ECTE465	Wireless Communication Systems	Spring	6
ECTE471	Robotics and Flexible Automation	Spring	6

Final Year Specialisation Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, not all subjects will be offered in any year.

Note: A pre-requisite of "all year 2 subjects or equivalent" applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE402	Optimum Signal Processing	n/o 2008	6
ECTE412	Power Electronics and Drives	Autumn	6
ECTE423	Power System Analysis	Autumn	6
ECTE426	Power Distribution Systems	Spring	6
ECTE431	Real-Time Computing	Autumn	6
ECTE432	Computer Architecture	Spring	6
ECTE433	Embedded Systems	Autumn	6
ECTE441	Intelligent Control	Autumn	6
ECTE442	Computer Controlled Systems	Spring	6
ECTE465	Wireless Communication Systems	Spring	6
ECTE468	Error Control Coding	n/o 2008	6
ECTE471	Robotics and Flexible Automation	Spring	6
ECTE482	Network Engineering	Autumn	6

Electrical Engineering

Recommended Part-Time Program for Students in Full-Time, Approved Professional Employment

Common Core Subjects

Subjects		Session	Credit Points
Stage 1			
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/ Summer	6
Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
Stage 2			
CSCI191	Engineering Programming 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6

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Stage 3			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE222	Power Engineering 1	Spring	6
Stage 4			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE333	Digital Hardware 2	Annual	6
ENGG291	Engineering Fundamentals	Autumn	6
ECTE212	Electronics	Spring	6
Plus	1 General Schedule subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6

Electrical Engineering Major

Subjects		Session	Credit Points
Stage 5			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE323	Power Engineering 2	Spring	6
ECTE363	Communication Systems	Spring	6
Stage 6			
ECTE301	Digital Signal Processing	Autumn	6
	1 Electrical Engineering Major Subjects	Autumn/Spring	6
Plus	2 Final Year Specialisation Subject	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
And	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Stage 7			
ECTE457	Thesis	Annual	18
Plus	2 Electrical Engineering Major Subjects	Autumn	12

Final Year Major Subjects

These will be selected from the following lists. Unless class numbers warrant, not all subjects will be offered in any year.

Note: For the ECTE subjects a pre-requisite of "all year 2 subjects or equivalent" applies to EACH subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE402	Optimum Signal Processing	n/o 2008	6
ECTE412	Power Electronics and Drives	Autumn	6
ECTE423	Power System Analysis	Autumn	6
ECTE426	Power Distribution Systems	Spring	6
ECTE433	Embedded Systems	Autumn	6
ECTE441	Intelligent Control	Autumn	6
ECTE442	Computer Controlled Systems	Spring	6
ECTE465	Wireless Communication Systems	Spring	6

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ECTE471	Robotics and Flexible Automation	Spring	6

Final Year Specialisation Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, not all subjects will be offered in any year.

Note: A pre-requisite of "all year 2 subjects or equivalent" applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE402	Optimum Signal Processing	n/o 2008	6
ECTE412	Power Electronics and Drives	Autumn	6
ECTE423	Power System Analysis	Autumn	6
ECTE426	Power Distribution Systems	Spring	6
ECTE431	Real-Time Computing	Autumn	6
ECTE432	Computer Architecture	Spring	6
ECTE433	Embedded Systems	Autumn	6
ECTE441	Intelligent Control	Autumn	6
ECTE442	Computer Controlled Systems	Spring	6
ECTE465	Wireless Communication Systems	Spring	6
ECTE468	Error Control Coding	n/o 2008	6
ECTE471	Robotics and Flexible Automation	Spring	6
ECTE482	Network Engineering	Autumn	6

Telecommunications Engineering

Recommended Full-Time Program

Common Core Subjects

Subjects		Session	Credit Points
Year 1			
CSCI191	Engineering Programming 1	Autumn	6
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/Summer	6
Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE250	Engineering Design and Management 2	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG291	Engineering Fundamentals	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE212	Electronics	Spring	6
ECTE222	Power Engineering 1	Spring	6

Telecommunications Engineering Major

Subjects	Session	Credit Points

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Year 3

ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE363	Communication Systems	Spring	6
ECTE365	Communication Systems Modelling	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6

Year 4

ECTE457	Thesis	Annual	18
Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6

Final Year Major Subjects

These will be selected from the following lists. Unless class numbers warrant, not all subjects will be offered in any year.

Note: For the ECTE subjects a pre-requisite of "all year 2 subjects or equivalent" applies to EACH subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE402	Optimum Signal Processing	n/o 2008	6
ECTE431	Real-Time Computing	Autumn	6
ECTE465	Wireless Communication Systems	Spring	6
ECTE468	Error Control Coding	n/o 2008	6
ECTE482	Network Engineering	Autumn	6

Final Year Specialisation Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, not all subjects will be offered in any year.

Note: A pre-requisite of "all year 2 subjects or equivalent" applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE402	Optimum Signal Processing	n/o 2008	6
ECTE412	Power Electronics and Drives	Autumn	6
ECTE423	Power System Analysis	Autumn	6
ECTE426	Power Distribution Systems	Spring	6
ECTE431	Real-Time Computing	Autumn	6
ECTE432	Computer Architecture	Spring	6
ECTE433	Embedded Systems	Autumn	6
ECTE441	Intelligent Control	Autumn	6
ECTE442	Computer Controlled Systems	Spring	6
ECTE465	Wireless Communication Systems	Spring	6
ECTE468	Error Control Coding	n/o 2008	6

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ECTE471	Robotics and Flexible Automation	Spring	6
ECTE482	Network Engineering	Autumn	6

Telecommunications Engineering

Recommended Part-Time Program for Students in Full-Time, Approved Professional Employment

Common Core Subjects

Subjects		Session	Credit Points
Stage 1			
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/ Summer	6
Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
Stage 2			
CSCI191	Engineering Programming 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6
Stage 3			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE222	Power Engineering 1	Spring	6
Stage 4			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE333	Digital Hardware 2	Annual	6
ENGG291	Engineering Fundamentals	Autumn	6
ECTE212	Electronics	Spring	6
Plus	1 General Schedule subject – 100/200/300/400-Level Choice – excluding ECTE181, ECTE282 and ECTE283, and subject to Head of School approval	Spring	6

Telecommunications Engineering Major

Subjects		Session	Credit Points
Stage 5			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE363	Communication Systems	Spring	6
ECTE365	Communication Systems Modelling	Spring	6
Stage 6			
ECTE301	Digital Signal Processing	Autumn	6
	1 Telecommunications Engineering Major Subjects	Autumn/Spring	6
Plus	2 Final Year Specialisation Subject	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6

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Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Stage 7			
ECTE457	Thesis	Annual	18
Plus	2 Telecommunications Engineering Major Subject	Autumn	12

Final Year Major Subjects

These will be selected from the following lists. Unless class numbers warrant, not all subjects will be offered in any year.

Note: For the ECTE subjects a pre-requisite of "all year 2 subjects or equivalent" applies to EACH subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE402	Optimum Signal Processing	n/o 2008	6
ECTE431	Real-Time Computing	Autumn	6
ECTE465	Wireless Communication Systems	Spring	6
ECTE468	Error Control Coding	n/o 2008	6
ECTE482	Network Engineering	Autumn	6

Final Year Specialisation Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, not all subjects will be offered in any year.

Note: A pre-requisite of "all year 2 subjects or equivalent" applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Multimedia Signal Processing	Autumn	6
ECTE402	Optimum Signal Processing	n/o 2008	6
ECTE412	Power Electronics and Drives	Autumn	6
ECTE423	Power System Analysis	Autumn	6
ECTE426	Power Distribution Systems	Spring	6
ECTE431	Real-Time Computing	Autumn	6
ECTE432	Computer Architecture	Spring	6
ECTE433	Embedded Systems	Autumn	6
ECTE441	Intelligent Control	Autumn	6
ECTE442	Computer Controlled Systems	Spring	6
ECTE465	Wireless Communication Systems	Spring	6
ECTE468	Error Control Coding	n/o 2008	6
ECTE471	Robotics and Flexible Automation	Spring	6
ECTE482	Network Engineering	Autumn	6

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Bachelor of Information Systems

Testamur Title of Degree:	Bachelor of Information Systems
Abbreviation:	BInfoSys
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1808
UAC Code:	754500
CRICOS Code:	061446J

Overview

Information systems are vital to the success of every business and government in the world. A Bachelor of Information Systems degree provides the knowledge and skills to design, develop and integrate information systems to support a client's business needs and to achieve a competitive edge in the global marketplace. A Bachelor of Information Systems degree covers the whole of the systems lifecycle: requirements-gathering; design and coding; testing and implementation seen from a business perspective.

Entry Requirements / Assumed Knowledge

Approximate UAI: 80

Assumed Knowledge: Any two units of English plus Mathematics

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

http://www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

a) Students who enrol in Bachelor of Information Systems, must satisfactorily complete at least 144 credit points consisting of the following:

20 of the core subjects (126 credit points) taken from the BIS core Subject list, plus

ii) a 6 credit point subject from the Commerce Elective List and

iii) two electives (12 credit points) from the General Schedule.

b) A maximum of 72 credit points of 100-level subjects can be undertaken as part of the Bachelor of Information Systems Degree.

c) Students should note that a PC grade at 300-level in any required subject does not satisfy degree requirements

d) No more than 1/6 of the total credit points completed can be at PC grade.

BIS Core Subject List

Subjects		Session	Credit Points
ACCY100	Accounting IA	Autumn/Spring	6
ISIT100	Systems Analysis	Autumn	6
ISIT101	Web Programming 1	Autumn	6
ISIT102	Information Systems	Autumn	6
ISIT105	Communications and Networks	Spring	6
ISIT111	Programming Concepts	Autumn	6
ISIT112	Database	Spring	6
ISIT114	Object Oriented Programming	Spring	6
ISIT201	Information, Communications and Security Issues	Spring	6

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ISIT204	Principles of e-Business	Autumn	6
ISIT208	Strategic Systems Management	Spring	6
ISIT218	System Design and Human Computer Interaction	Autumn	6
ISIT301	Professional Practice and Ethics	Spring	6
ISIT311	Database Management Systems	Autumn	6
ISIT316	Information Systems Prototyping and Methodologies	Autumn	6
ISIT332	Business Process Management	Spring	6
ISIT318	Information Systems Project	Annual	12
MATH179	Business Maths	Spring	6
MGMT102	Business Communications	Spring	6
MGMT110	Introduction to Management	Autumn/Spring	6

Commerce Electives list

Choose ONE subject from LIST below:

Subjects		Session	Credit Points
ACCY102	Accounting IB	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111	Introductory Microeconomics	Autumn/Spring	6
MARK101	Marketing Principles	Autumn/Spring	6

Suggested Program of Study

See http://www.uow.edu.au/informatics/sisat/prospective/index.html

Professional Recognition

Accreditation by the Australian Computer Society for membership at a 'Professional level' for the Bachelor of Information Systems is being sought.

Bachelor of Information Technology

Testamur Title of Degree:	Bachelor of Information Technology
Abbreviation:	BIT
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong, SIM Singapore
UOW Course Code:	1807
UAC Code:	754300,754301,754302,754310
CRICOS Code:	061445K

Overview

This degree is designed to provide graduates with the necessary knowledge and skills to be successful in the dynamic and changing world of Information Technology (IT).

The degree has three major studies: e-Business, Social Policy and Network Design and Management.

Entry Requirements / Assumed Knowledge

Approximate UAI: 80

Assumed Knowledge: Any two units of English plus Mathematics

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

http://www.uow.edu.au/handbook/generalcourserules/UOW028672.html

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Information about Approved Credit Transfer Arrangements with international providers is available at:
www.uow.edu.au/prospective/international/credit/

Course Requirements

A candidate must satisfactorily complete the following requirements to be eligible for a Bachelor of Information Technology:

1. Candidates must satisfactorily complete at least 144 credit points of subjects including:

a. the fourteen (14) core subjects (90cp) listed below;

Subjects		Session	Credit Points
ISIT100	Systems Analysis	Autumn	6
ISIT101	Web Programming 1	Spring	6
ISIT102	Information Systems	Autumn	6
ISIT105	Communications and Networks	Spring	6
ISIT111	Programming Concepts	Autumn	6
ISIT112	Database	Spring	6
ISIT114	Object Oriented Programming	Spring	6
MATH179	Business Mathematics	Spring	6
ISIT201	Information and Communication Security Issues	Spring	6
ISIT204	Principles of e-Business	Autumn	6
ISIT218	Systems Design and Human Computer Interaction	Autumn	6
ISIT301	Professional Practice and Ethics	Spring	6
ISIT311	Database Management Systems	Autumn	6
ISIT351	Information Technology Project	Annual	6

b. at least four (4) subjects (24cp) but up to eight (8) subjects (42cp) from the BIT electives lists;

c. at least two (2) subjects (12cp) but up to five (5) subjects (30cp) selected from the BIT options list;

2. To be awarded with a major, a candidate must satisfactorily complete the core plus four (4) subjects (24cp) listed for that major
3. To be awarded with a double major, candidates must ensure that four of the subjects selected satisfy the requirements of one major and that a separate set of four subjects satisfy the requirements of a second major, i.e. any subject counted towards one major cannot also be counted towards a second major.
4. A single 8-week period of approved industry placement, assessed in the form of written reports must be completed before graduation. It will normally be undertaken in the summer session at the end of second year.

Areas of Major Study

Candidates enrolled in this degree may choose to major in:

e-Business (code IT01)

Social Policy (code IT02)

Network Design and Management (code IT03)

Students may also combine any two of the above majors as a double major. To be awarded with a double major, candidates must ensure that four of the subjects selected satisfy the requirements of one major and that a separate set of four subjects satisfy the requirements of a second major, i.e. any subject counted towards one major cannot also be counted towards a second major.

Suggested Program of Study

See http://www.uow.edu.au/informatics/sisat/prospective/index.html

e-Business (major study)

All of the core subjects plus the four subjects listed below:

Subjects		Session	Credit Points
ISIT206	Mark-up Languages	Autumn	6
ISIT208	Strategic Systems Management	Spring	6
ISIT306	Strategic e-Business Solutions	Spring	6
ISIT332	Business Process Management	Spring 2009	6

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Social Policy (major study)

All of the core subjects plus the four subjects listed below:

Subjects		Session	Credit Points
ISIT205	International Telecommunications Policy Issues	Autumn	6
ISIT203	Worldwide Networking	Spring	6
ISIT313	Information Management	Spring	6
ISIT326	Information Society and Knowledge Work	Autumn	6

Network Design and Management (major study)

All of the core subjects plus the four subjects listed below:

Subjects		Session	Credit Points
ECTE182	Internet Technology 1	Spring	6
ISIT212	Corporate Network Planning and Design	Spring	6
ISIT302	Corporate Network Management	Autumn	6
CSCI322	Systems Administration	Spring	6

BIT Electives List

Subjects		Session	Credit Points
ISIT203	Worldwide Networking	Spring	6
ISIT205	International Telecommunications Policy Issues	Autumn	6
ITCS206	Mark-up Languages	Autumn	6
ISIT208	Strategic Systems Management	Spring	6
ISIT212	Corporate Network Planning and Design	Autumn	6
ISIT302	Corporate Network Management	Autumn	6
ISIT306	Strategic e-Business Solutions	Spring	6
ISIT326	The Information Society and Knowledge Work	Autumn	6
ISIT313	Information Management	Spring	6
ISIT332	Business Process Management	Spring 2009	6
ECTE182	Internet Technology 1	Spring	6
ECTE181	WWW Engineering	Autumn	6
ECTE283	Internet Technology 2	Spring	6
ECTE281	Embedded Internet Systems	Spring	6
CSCI322	Systems Administration	Spring	6

BIT Options List

Subjects		Session	Credit Points
ACCY100	Accounting IA	Autumn/Spring	6
ACCY102	Accounting IB	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111	Introductory Microeconomics	Autumn/Spring	6
MARK101	Marketing Principles	Autumn/Spring	6
MGMT102	Business Communications	Spring	6
MGMT110	Introduction to Management	Autumn/Spring	6

Professional Recognition

The Bachelor of Information Technology is accredited by the Australian Computer Society as meeting requirements for membership at a 'Professional level'.

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Bachelor of Internet Science and Technology*

Testamur Title of Degree:	Bachelor of Internet Science and Technology
Abbreviation:	BIST
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to –face
Starting Session(s):	Autumn/Spring
Location:	Wollongong.
UOW Course Code:	785.
UAC Code:	754114
CRICOS Code:	032444G

*currently under review

Overview

The Internet and World Wide Web have revolutionised the way business is conducted and the way information, education, and entertainment services are delivered.

In addition, Internet technology is constantly advancing, and increasingly being incorporated into public telecommunications systems. With more people using the Internet, there is a greater demand for services and information. The next generation of Internet technologies is expected to become a major motivator for on-going business reform over the next five to ten years. The Federal Government has targeted the Internet and the on-line economy as a priority.

This degree provides students with the technical background required to lead the next generation of Internet developments. The degree uses a mix of problem-based learning and more traditional methods used in science and engineering programs. Through collaborative, multidisciplinary project-based learning, students will develop competency in Internet science and technology skills, teamwork and management, giving them a competitive advantage in industry.

This degree has two majors to choose from:

Internet Applications

Internet Commerce

All majors include a substantial amount of programming. Common subjects across the majors ensure that students have an understanding of the basics of hardware, and some of the legal and social aspects of the Internet.

Entry Requirements / Assumed Knowledge

Approximate UAI: 75

Assumed Knowledge: Any two units of English plus Mathematics

Recommended Studies: HSC Mathematics Extension 1

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

http://www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

Students enrolled in Bachelor of Internet Science and Technology shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects prescribed in one of the majors listed above, which must include:

no more than 60 credit points at 100-level;

at least 36 credit points at 300/400-level.

Note: Subjects can be undertaken in a different order to that listed in the programs below. However, all subjects must be successfully completed to be awarded the degree.

Honours

Candidates who achieve a credit average or better in the Bachelor of Internet Science and Technology are eligible to enrol in an additional year's study towards a Bachelor of Internet Science and Technology (Honours) (BIST (Hons)).

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To qualify for the Bachelor of Internet Science and Technology (Honours), candidates must complete BIST400. The level of Honours awarded at the completion of the course is determined in accordance with the University Course Rules.

The program of study for Bachelor of Internet Science and Technology (Honours) (i.e., BIST400 Internet Science & Technology IV Honours) is 48 credit points and will normally include:

an 18 credit point project; and

30 credit points of coursework. This coursework component will consist of individual subjects, including:

a research methodology subject, as determined by the Course Coordinator but usually IACT441 and

other subjects, of which 18 credit points must be at 400 level, as approved by the Course Coordinator.

Note: Individual results for the coursework subjects attempted and the project will not be released. Instead, the final result for BIST400 will be calculated by weighting the coursework and project components according to their credit point value.

Professional Recognition

The Bachelor of Internet Science and Technology is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional level".

Internet Applications (code IS02)

Major Study

To satisfy the requirements for a major study in Internet Applications, a student shall satisfactorily complete the following approved program:

Subjects		Session	Credit Points
Year 1			
ISIT102	Information Systems	Autumn	6
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI124	Applied Programming	Spring	6
ECTE182	Internet Technology 1	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
MGMT110	Introduction to Management	Spring	6
Plus one Year 1 Elective subject			6
Year 1 Electives			
ACCY100	Accounting 1A	Autumn/Spring	6
ACCY102	Accounting 1B	Spring/Summer	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111	Introductory Micro-Economics	Autumn/Spring	6
ECTE181	WWW Engineering	Autumn	6
LAW 100	Law in Society	Autumn	6
MARK101	Marketing Principles	Autumn/Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH151	General Mathematics 1A	Autumn/Summer	6
Year 2			
ITCS213	Java Programming and the Internet	Autumn	6
ECTE282	Internet Systems	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
INFO202	Project	Annual	6
Plus four Year 2 Elective subjects			24
Year 2 Electives			
CSCI204	Object Programming and Frameworks	Autumn/Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI214	Distributed Systems	Autumn	6
CSCI235	Databases	Spring	6
DESN211	Introduction to Web Design	Autumn	6

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DESN212	Advanced Web Design	Spring	6
DESN290	Introduction to Graphic Design Fundamentals	Spring	6
ECTE202	Circuits and Systems	Annual	6
ECTE212	Electronics	Spring	6
ECTE233	Digital Hardware 1	Autumn	6
ECTE281	Embedded Internet Systems	Spring	6
ECTE283	Internet Technology 2	Spring	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ITCS206	Markup Languages	Autumn	6

Note that the availability of electives in Year 3 depends on the choices made in Year 2. To have maximum flexibility it is recommended that students choose CSCI204.

Year 3

IACT303	World Wide Networking	Spring	6

Plus seven Year 3 Elective subjects, or five Year 3 Elective subjects if students complete INFO303.

Students with a WAM of 70+ at 200- level are strongly recommended to take:

INFO303	Advanced Project	Annual	12

Year 3 Electives

BUSS311	Advanced Database Management Systems	Autumn	6
COMM303	Development of Modern Business	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn/Spring	6
COMM351	Business Ethics and Governance	Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI322	Systems Administration	Spring	6
CSCI324	Human Computer Interface	Autumn	6
CSCI332	Web Design	n/o 2008	6
CSCI336	Computer Graphics	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI446	Multimedia Studies	Autumn	6
ECTE333	Digital Hardware 2	Annual	6
ECTE364	Data Communications	Autumn	6
ECTE392	Wireless Internet	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT405	Information Technology and Innovation	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT418	Corporate Network Management	Autumn	6
IACT419	Online Information Services	n/o 2008	6
IACT424	Corporate Network Design and Implementation	Spring	6
IACT430	Special Topics in Information & Communication Technology	n/o 2008	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
MARK343	International Marketing	Autumn	6
MGMT370	Project Management	n/o 2008	6

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Internet Commerce (code IS03)

Students enrolling in this major may need to make a choice about 3rd year electives during the first year. If they wish to study 300- level Accounting or Finance subjects, then they must study both ACCY100 and ACCY102 in the first year and FIN221 and/or ACCY231 in the second year.

In the standard program (see below) this would be possible only for students who might be willing to study in summer session or undertake more than 4 subjects per session. Accordingly a modified program is also presented. This has the disadvantage of restricting some of the choices of CSCI subjects at 300- level.

Major Study

To satisfy the requirements for a major study in Internet Commerce, a student shall satisfactorily complete one of the following recommended programs:

Standard Program

Subjects		Session	Credit Points
Year 1			
ISIT102	Information Systems	Autumn	6
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI124	Applied Programming	Spring	6
ECTE182	Internet Technology 1	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
MGMT110	Introduction to Management	Spring	6
Plus one Year 1 Elective subject			6
Year 1 Electives			
ACCY100	Accounting 1A	Autumn/Spring	6
ACCY102	Accounting 1B	Spring/Summer	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111	Introductory Micro-Economics	Autumn/Spring	6
ECTE181	WWW Engineering	Autumn	6
LAW 100	Law in Society	Autumn	6
MARK101	Marketing Principles	Autumn/Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH151	General Mathematics 1A	Autumn/Summer	6
Year 2			
ITCS213	Java Programming and the Internet	Autumn	6
ECTE282	Internet Systems	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
INFO202	Project	Annual	6
Plus four Year 2 Elective subjects			24
Year 2 Electives			
ACCY231	Information Systems in Accounting	Spring	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS213	Content Management in Organisations	Spring	6
CSCI204	Object Programming and Frameworks	Autumn/Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI214	Distributed Systems	Autumn	6
CSCI235	Databases	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web Design	Spring	6
DESN290	Introduction to Graphic Design Fundamentals	Spring	6
ECTE281	Embedded Internet Systems	Spring	6

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FIN 221	Introductory Business Finance	Autumn/Spring	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ITCS206	Markup Languages	Autumn	6
LAW 210	Contract Law	Spring	6
MGMT200	Management and Electronic Business	Autumn	6
Year 3			
IACT303	World Wide Networking	Spring	6
Plus at least one of:			
CSCI446	Multimedia Studies	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
Plus six Year 3 Elective subjects, or five Year 3 Elective subjects if students complete INFO303.			
Students with a WAM of 70+ at 200- level are strongly recommended to take:			
INFO303	Advanced Project	Annual	12
Year 3 Electives			
BUSS308	Computer Systems Management	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
COMM303	Development of Modern Business	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn	6
COMM351	Business Ethics and Governance	Spring	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI324	Human Computer Interface	Autumn	6
CSCI332	Web Design	n/o 2008	6
CSCI336	Computer Graphics	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI446	Multimedia Studies	Autumn	6
ECON319	Electronic Commerce and the Economics of Information	Spring	6
ECTE392	Wireless Internet	Autumn	6
FIN 353	Global Electronic Finance	n/o 2008	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT405	Information Technology and Innovation	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT418	Corporate Network Management	Autumn	6
IACT419	Online Information Services	n/o 2008	6
IACT424	Corporate Network Design and Implementation	Spring	6
IACT430	Special Topics in Information & Communication Technology	n/o 2008	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
LAW 331	Intellectual Property Law	Autumn	6
MARK301	Internet Applications for Marketing	Spring	6
MARK343	International Marketing	Autumn	6

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MGMT300	Innovation and Electronic Commerce	Spring	6
MGMT370	Project Management	n/o 2008	6

Modified Program

The following modified program is designed to allow easy access to 300-level Accounting or Finance subjects.

Subjects		Session	Credit Points
Year 1			
ACCY100	Accounting 1A	Autumn/Spring	6
ACCY102	Accounting 1B	Spring/Summer	6
ISIT102	Information Systems	Autumn	6
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
ECTE182	Internet Technology 1	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
MGMT110	Introduction to Management	Autumn/Spring	6
Plus one Year 1 Elective subject			6
Year 1 Electives			
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111	Introductory Micro-Economics	Autumn/Spring	6
ECTE181	WWW Engineering	Autumn	6
LAW 100	Law in Society	Autumn	6
MARK101	Marketing Principles	Autumn/Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH151	General Mathematics 1A	Autumn/Summer	6
Year 2			
CSCI114	Procedural Programming	Autumn/Spring	6
CSCI124	Applied Programming	Autumn/ Spring	6
ECTE282	Internet Systems	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT303	World Wide Networking	Spring	6
Plus three Year 2 Elective subjects			18
Year 2 Electives			
FIN 221	Introductory Business Finance	Autumn/Spring	6
ACCY231	Information Systems in Accounting	Spring	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS213	Content Management in Organisations	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web Design	Spring	6
DESN290	Introduction to Graphic Design Fundamentals	Spring	6
ECTE281	Embedded Internet Systems	Spring	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ITCS206	Markup Languages	Autumn	6
LAW 210	Contract Law	Spring	6
MGMT200	Management and Electronic Business	Autumn	6
Note: students must choose one or both FIN221 and ACCY231 in order to study ACCY or FIN subjects at 300- level.			
Year 3			
ITCS213	Java Programming and the Internet	Autumn	6
INFO202	Project	Annual	6

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Plus at least one of:

CSCI446	Multimedia Studies	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6

Plus five Year 3 Elective subjects, or three Year 3 Elective subjects if students complete INFO303.

Students with a WAM of 70+ at 200- level are strongly recommended to take:

INFO303	Advanced Project	Annual	12

Year 3 Electives

FIN 353	Global Electronic Finance	n/o 2008	6
BUSS308	Computer Systems Management	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed information Systems	Autumn	6
COMM303	Development of Modern Business	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn	6
COMM351	Business Ethics and Governance	Spring	6
CSCI204	Object Programming and Frameworks	Autumn/Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI235	Databases	Spring	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI324	Human Computer Interface	Autumn	6
CSCI332	Web Design	n/o 2008	6
CSCI336	Computer Graphics	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI446	Multimedia Studies	Autumn	6
ECON319	Electronic Commerce and the Economics of Information	Spring	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	Principles of eBusiness	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT405	Information Technology and Innovation	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT418	Corporate Network Management	Autumn	6
IACT419	Online Information Services	Spring	6
IACT424	Corporate Network Design and Implementation	Spring	6
IACT430	Special Topics in Information & Communication Technology	n/o 2008	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
LAW 331	Intellectual Property Law	Autumn	6
MARK301	Internet Applications for Marketing	Spring	6
MARK343	International Marketing	Autumn	6
MGMT300	Innovation and Electronic Commerce	Spring	6
MGMT370	Project Management	n/o 2008	6

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Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Mathematics
Abbreviation:	BMath
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	762
UAC Code:	756511
CRICOS Code:	002936B

Overview

This degree is designed to give the graduate a solid foundation in all the skills needed to pursue a career as a professional mathematician or statistician. It is flexible enough to allow students to specialise in an area that is of particular interest, or to gain an introduction to a wide variety of topics. One third of the subjects taken may be from other disciplines, such as computer science, management, finance or science.

Entry Requirements / Assumed Knowledge

Approximate UAI: 75

Assumed knowledge: Any two units of English plus HSC Mathematics (not General Mathematics).

Recommended studies: HSC Mathematics Extension 1.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

The following requirements for the Bachelor of Mathematics degree are to be read in conjunction with University Course Rule 115. Students who enrol in Bachelor of Mathematics, must satisfactorily complete at least 144 credit points from either or both the subjects prescribed for the Bachelor or Mathematics and the General Schedule, including:

1. MATH187 Mathematics 1A Part 1
   AND
   MATH188 Mathematics 1A Part 2
2. MATH111 Applied Mathematical Modelling 1
   OR
   MATH212 Applied Mathematical Modelling 2
3. MATH121 Discrete Mathematics
   OR
   MATH222 Continuous and Finite Mathematics
4. STAT131 Understanding Variation and Uncertainty
   OR
   STAT231 Probability and Random Variables
5. CSCI114 Procedural Programming
6. each of the subjects:
   MATH201 Multivariate and Vector Calculus
   MATH202 Differential Equations 2
   MATH203 Linear Algebra
   MATH204 Complex Variables and Group Theory
7. at least one of the subjects:
   MATH212 Applied Mathematical Modelling 2

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MATH222 Continuous and Finite Mathematics

STAT231 Probability and Random Variables (not additional to 2 or 3 or 4)

8. 300- and/or 400-level subjects from the Mathematics Schedule of subjects with a value of at least:
   a. 36 credit points, or
   b. 24 credit points, should a major study in Computer Science also be satisfactorily completed, or
   c. 30 credit points, should any other major study also be satisfactorily completed
9. within requirements 1. to 8., a major study in either Mathematics or Applied Statistics, and
10. no more than 60 credit points at the 100-level.

Areas of Major Study

Within the Bachelor of Mathematics, a major study in either Mathematics or Applied Statistics can be combined with a major study in the following disciplines:

Computer Science
Economics
Econometrics
Accountancy
Management
Marketing
Finance
Biomedical Sciences

Candidates wishing to major in Mathematics and/or Applied Statistics and a discipline not listed above are advised to first consult with the Associate Dean (Academic) of the Faculty of Informatics for verification of their intended program.

Candidates may also study a major in the following areas of science, but this will necessitate completing more than the standard 144 credit points in the degree:

Biological Sciences
Chemistry
Geology
Human Geography
Physical Geography
Geoscience
Physics

Mathematics Schedule of Subjects

The following subjects are approved for inclusion in the Bachelor of Mathematics degree.

Subjects		Session	Credit Points
100-Level			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
CSCI114	Procedural Programming	Autumn/Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
200-Level			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
STAT231	Probability and Random Variables	Autumn	6

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STAT232	Estimation and Hypothesis Testing	Spring	6
300-Level			
MATH302	Differential Equations 3	Autumn	6
MATH305	Partial Differential Equations	Spring	6
MATH312	Applied Mathematical Modelling 3	Autumn	6
MATH313	Industrial Mathematical Modelling	n/o 2008	6
MATH317	Financial Calculus	Autumn	6
MATH321	Numerical Analysis	Spring	6
MATH322	Algebra	Autumn	6
MATH323	Topology and Chaos	Spring	6
MATH325	Wavelets	n/o 2008	6
MATH371	Special Topics in Industrial and Applied Mathematics 3	Spring	6
MATH372	Special Topics in Mathematical Analysis 3	n/o 2008	6
STAT304	Applied Probability and Financial Risk	Autumn	6
STAT332	Multiple Regression and Time Series	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Spring	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT373	Special Topics in Probability and Statistics 3	n/o 2008	6
400-Level			
INFO411	Data Mining and Knowledge Discovery	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
INFO413	Information Theory	n/o 2008	6

Honours

A fourth year of study, Honours, is available to students who have achieved a Credit average or better in the Bachelor of Mathematics. It is a more challenging program that includes a research project. Students who wish to enter the Honours program should obtain the approval of the Honours Coordinator at the end of their third year.

Mathematics (code MATH)

Major Study

To satisfy the requirements for a major study in Mathematics, a student shall satisfactorily complete (at a grade of Pass or better) any MATH, STAT or INFO subjects listed in the Mathematics Schedule, to a total of at least 48 credit points; of which at least 18 credit points must be at 200- level and at least 24 credit points must be at 300- level.

The following suggested programs are intended as a guideline only in selecting suitable supplementary subjects to make a reasonable pattern for Mathematics degrees in the various fields of Mathematics.

All candidates are expected to consult with the School and Faculty advisers before committing themselves completely to any particular pattern, whether outlined below or not.

Double Major

A major in Mathematics can be combined with Applied Statistics, Computer Science, Economics, Econometrics, Accountancy, Management, Marketing, Finance or Biomedical Sciences.

Suggested Program in Industrial and Applied Mathematics (including Numerical Analysis)

Subjects		Session	Credit Points
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus			
PHYS141	Fundamentals of Physics A	Autumn	6

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and			
PHYS142	Fundamentals of Physics B	Spring	6
or			
Subjects chosen from the Mathematics or General Schedules			12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			18
Year 3			
MATH302	Differential Equations 3	Autumn	6
MATH305	Partial Differential Equations	Spring	6
Plus at least two of the following subjects:			
MATH312	Applied Mathematical Modelling 3	Autumn	6
MATH313	Industrial Mathematical Modelling	n/o 2008	6
MATH317	Financial Calculus	Autumn	6
MATH321	Numerical Analysis	Spring	6
Plus			
Subjects chosen from the Mathematics Schedule			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Suggested Program in Mathematical Analysis

Subjects		**Session**	**Credit Points**
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
Plus			
Subjects chosen from the Mathematics or General Schedules			18
Year 3			
MATH302	Differential Equations 3	Autumn	6
MATH322	Algebra	Autumn	6

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MATH323	Topology and Chaos	Spring	6
MATH325	Wavelets	n/o 2008	6
Plus			
Subjects chosen from the Mathematics Schedule; other recommended subjects are INFO412, INFO413, MATH321			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Suggested Program for Mathematics Teaching

The minimum requirement for employment as a Mathematics teacher is 60 credit points of Mathematics, including a major study at 300-level, however candidates are encouraged to complete a full Mathematics degree.

Subjects		Session	Credit Points
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
Plus			
200-level Mathematics subjects chosen from the Mathematics Schedule			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 3			
300-level subjects chosen from the Mathematics Schedule			36
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Applied Statistics (code STAT)

Major Study

To satisfy the requirements for a major study in Applied Statistics, a student shall satisfactorily complete (at a grade of Pass or better) any MATH or STAT subjects listed in the Mathematics Schedule, to a total of at least 48 credit points; of which at least 12 credit points must be at 200- level and must include STAT231 and STAT232; and at least 24 credit points must be of 300- level STAT subjects.

The following suggested program is intended as a guideline only in selecting suitable supplementary subjects to make a reasonable pattern for a major in Applied Statistics.

All candidates are expected to consult with the School and Faculty advisers before committing themselves completely to any particular pattern, whether outlined below or not.

Double Major

A major in Applied Statistics can be combined with Mathematics, Computer Science, Economics, Econometrics, Accountancy, Management, Marketing, Finance or Biomedical Sciences.

Suggested Program in Applied Statistics

Subjects	Session	Credit Points

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Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 3			
STAT304	Applied Probability and Financial Risk	Autumn	6
STAT332	Multiple Regression and Time Series	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Spring	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
Plus			
Subjects chosen from the Mathematics Schedule			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Double Major in Mathematics and Applied Statistics (code MAST)

To satisfy the requirement for a double major in Mathematics and Applied Statistics, a student shall satisfactorily complete at least 24 credit points of 300 level STAT subjects (at a grade of Pass or better) and at least 24 credit points of 300 level MATH subjects (at a grade of Pass or better). Any of the 400 level INFO subjects listed in the Mathematics Schedule may be substituted for a 300 level MATH subject.

Double majors with Computer Science

Mathematics and Computer Science (code MA01)

Applied Statistics and Computer Science (code ST01)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of the following approved 48 credit point major study in Computer Science:

Subjects		Session	Credit Points
CSCI103	Algorithms & Problem Solving	Autumn/Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
CSCI124	Applied Programming	Autumn/Spring	6
CSCI204	Object Programming and Frameworks	Autumn/Spring	6
Plus	300-level CSCI subjects		24

To ensure a wider range of options at 300-level, students are advised to undertake at least one additional CSCI subject at 200-level.

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Double majors with Accountancy

Mathematics and Accountancy (code MA05)
Applied Statistics and Accountancy (code ST05)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of a major study in Accountancy, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce, except where those subjects are prerequisites to subjects in the Accountancy major. All students must satisfy subject prerequisites except where waivers have been granted.

Double majors with Econometrics

Mathematics and Econometrics (code MA04)
Applied Statistics and Econometrics (code ST04)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of the following approved 48 credit point major study in Econometrics.

Subjects		Session	Credit Points
ECON221	Econometrics	Autumn	6
ECON231	Business Statistics and Forecasting	n/o 2008	6
ECON230	Quantitative Analysis for Decision Making	Autumn	6
ECON322	Mathematical Economics	Spring	6
ECON327	Advanced Econometrics	Spring	6
Plus			
200/300-level Economics subject			6
Plus			
Two 300-level Economics subjects			12

Double majors with Economics

Mathematics and Economics (code MA03)
Applied Statistics and Economics (code ST03)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of a major study in Economics, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Economics major. All students must satisfy subject prerequisites except where waivers have been granted.

Alternatively candidates may wish to consider enrolling in the Bachelor of Mathematics and Economics or the Bachelor of Mathematics and Finance.

Double majors with Finance

Mathematics and Finance (code MA14)
Applied Statistics and Finance (code ST14)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of a major study in Finance, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce, except where those subjects are prerequisites to subjects in the Finance major. All students must satisfy subject prerequisites except where waivers have been granted.

Alternatively candidates may wish to consider enrolling in the Bachelor of Mathematics and Economics or the Bachelor of Mathematics and Finance.

Double majors with Management

Mathematics and Management (code MA12)
Applied Statistics and Management (code ST12)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of a major study in Management, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce, except where those subjects are prerequisites to subjects in the Management major. All students must satisfy subject prerequisites except where waivers have been granted.

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Double majors with Marketing

Mathematics and Marketing (code MA13)
Applied Statistics and Marketing (code ST13)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of a major study in Marketing, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce, except where those subjects are prerequisites to subjects in the Marketing major. All students must satisfy subject prerequisites except where waivers have been granted.

Double majors with Biomedical Sciences

Mathematics and Biomedical Sciences (code MA15)

Applied Statistics and Biomedical Sciences (code ST15)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics, and satisfactory completion of the following approved 54-56 credit point major study in Biomedical Science.

Subjects		Session	Credit Points
BMS 101	Systemic Anatomy	Autumn	6
BMS 112	Human Physiology I: Principles and Systems	Spring	6
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
BMS 242	Exercise Physiology	Spring	6
BMS 342	Advanced Exercise Physiology	Autumn	8
BMS 344	Cardiorespiratory Physiology	Autumn	8
and either			
BMS 211	Foundations of Biomechanics	Autumn	6
or			
BMS 352	Fundamentals of Neuroscience	Autumn	8
and either			
BMS 341	Clinical Biomechanics	Spring	8
or			
BMS 346	Motor Control and Dysfunction	Spring	8

Double Majors of Mathematics/Statistics and Various Sciences

Students should refer to an Academic Adviser in the School of Maths and Applied Statistics for assistance with choice of subjects.

MA07	Mathematics and Biology
MA08	Mathematics and Chemistry
MA02	Mathematics and Geography
MA09	Mathematics and Geology
MA10	Mathematics and Physics
MA11	Mathematics and Ecology and Biogeography
ST07	Applied Statistics and Biology
ST08	Applied Statistics and Chemistry
ST02	Applied Statistics and Geography
ST09	Applied Statistics and Geology
ST10	Applied Statistics and Physics
ST11	Applied Statistics and Ecology and Biogeography

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Bachelor of Mathematics Advanced

Testamur Title of Degree:	Bachelor of Mathematics (Advanced)
Abbreviation:	BMathAdv
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	762A
UAC Code:	756512
CRICOS Code:	036040F

Overview

This challenging Bachelor degree is available to students who have superior mathematical knowledge on entry, allowing the amount of first year mathematics subjects to be significantly reduced. This enables students to take enrichment projects, which provide opportunities to build links with industry and to understand the interaction between mathematics and society. Students will also have close interaction with active academic researchers.

Entry Requirements / Assumed Knowledge

Approximate UAI: 92

Assumed Knowledge: HSC Mathematics Extension 2

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

Students who enrol in Bachelor of Mathematics Advanced, must satisfactorily complete at least 144 credit points from either or both the Mathematics and the General Schedule including:

1. MATH110
2. CSCI114
3. each of the subjects:
   MATH201
   MATH202
   MATH203
   MATH204
4. each of the subjects:
   MATH212
   MATH222
   STAT231
5. MATH235
   OR
   STAT235
6. MATH345
   OR
   STAT345
7. 300- and/or 400- level subjects from the Mathematics Schedule with a value of at least:

a. 36 credit points, or
b. 24 credit points, if there is a major study in Computer Science
c. 30 credit points, if there is any other major study

8. a major study in Mathematics or Statistics (apart from MATH345 and STAT345)
9. no more than 60 credit points at 100- level

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10. continuation in the Bachelor of Mathematics Advanced (code 762A) will normally be dependent upon achieving an average of at least 75% each year. Students who do not meet the required average will be transferred to the Bachelor of Mathematics degree (code 762).

Note that a student could do some 300- level subjects in second year.

Course Program

Recommended Programs in:

Mathematics, Statistics plus another discipline

Industrial and Applied Mathematics

Mathematical Analysis

Applied Statistics

Honours

A fourth year of study, Honours, is available to students who have achieved a Distinction average or better in the Bachelor of Mathematics (Advanced). It is a challenging program that includes a research project.

Students who wish to enter the Honours program should obtain the approval of the Honours Coordinator at the end of their third year.

Recommended Program in Mathematics, Statistics plus another discipline

The following is a possible enrolment program for someone doing a "major" in a discipline other than Mathematics, Statistics or Computer Science. Considerable variation is possible. However, please note that this program does not satisfy the formal requirements for a major in the other discipline. Candidates are advised to check the requirements for a major in other disciplines listed under the Bachelor of Mathematics degree regulations.

Subjects		Session	Credit Points
Year 1			
MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus	Other subjects		18
Year 2			
MATH235	Project A	Autumn/Spring	6
OR			
STAT235		Autumn/Spring	
STAT231	Probability and Random Variables	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
Plus	Other subjects		18
Year 3			
MATH345	Project B	Autumn/Spring	6
OR			
STAT345		Autumn/Spring	
Plus	MATH/STAT 300- level subjects		24
Plus	Other Major subjects		18

Recommended Program in Industrial and Applied Mathematics

Subjects	Session	Credit Points
Year 1		

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MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus	Other subjects		18
Year 2			
MATH235	Mathematics Project A	Autumn/Spring	6
STAT231	Probability and Random Variables	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
Plus	Other subjects		18
Year 3			
MATH302	Differential Equations 3	Autumn	6
MATH305	Partial Differential Equations	Spring	6
MATH345	Mathematics Project B	Autumn/Spring	6
Plus at least two subjects chosen from:			
MATH312	Applied Mathematical Modelling 3	Autumn	6
MATH313	Industrial Mathematical Modelling	n/o 2008	6
MATH317	Financial Calculus	Autumn	6
MATH321	Numerical Analysis	Spring	6
Plus one 300-level subject chosen from the Mathematics Schedule			6
Plus	Other subjects		12

Recommended Program in Mathematical Analysis

Subjects		Session	Credit Points
Year 1			
MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus	Other subjects		18
Year 2			
STAT231	Probability and Random Variables	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
MATH235	Mathematics Project A	Autumn/Spring	6
Plus	Other subjects		18
Year 3			
MATH302	Differential Equations 3	Autumn	6
MATH345	Mathematics Project B	Autumn/Spring	6
MATH322	Algebra	Autumn	6
MATH323	Topology and Chaos	Spring	6
MATH325	Wavelets	n/o 2008	6

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Plus one 300-level subject chosen from the Mathematics Schedule; recommended subjects are INFO412; INFO413; or MATH321		6
Plus	Other subjects	12

Recommended Program in Applied Statistics

Subjects		Session	Credit Points
Year 1			
MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus	Other subjects		18
Year 2			
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
STAT235	Statistics Project A	Autumn/Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
Plus	Other subjects		12
Year 3			
STAT304	Applied Probability and Financial Risk	Autumn	6
STAT332	Multiple Regression and Time Series	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Spring	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT345	Statistics Project B	Autumn/Spring	6
Plus one 300-level subject chosen from the Mathematics Schedule			6
Plus	Other subjects		12

Bachelor of Mathematics and Economics

Testamur Title of Degree:	Bachelor of Mathematics and Economics
Abbreviation:	BMathEcon
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	767A
UAC Code:	756502
CRICOS Code:	017733A

Overview

The Bachelor of Mathematics and Economics is an elite course that provides high-level training in both disciplines, and equips graduates for careers in a wide variety of fields. It is also advantageous for graduates who wish to pursue higher degrees or research in economics to have a strong background in mathematics.

Entry Requirements / Assumed Knowledge

Approximate UAI: 82

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Assumed knowledge: Any two units of English plus HSC Mathematics (not General Mathematics).

Recommended study: HSC Mathematics Extension 1

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

Students who enrol in Bachelor of Mathematics and Economics, shall satisfactorily complete at least 192 credit points of prescribed subjects, together with the requirements prescribed for this program.

The following program of study is recommended to satisfy the requirements in minimum time. The subjects listed are compulsory.

Course Program

Subjects		Session	Credit Points
Year 1			
ACCY100	Accounting 1A	Autumn/Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
ECON111	Introductory Microeconomics	Autumn/Spring	6
MATH111	Applied Mathematical Modelling 1*	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
Plus either			6
ISIT111	Programming Concepts	Autumn	6
or			
CSCI114	Procedural Programming	Autumn/Spring	6
* MATH111 may be replaced with 6 credit points of electives and completed in a subsequent year instead.			
Year 2			
ECON205	Macroeconomic Theory and Policy	Autumn/Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
Plus			
200-level MATH/STAT subjects from List of Electives			12
Plus			
ACCY/ECON subject from List of Electives			6
Note: Students interested in Statistics are recommended to take STAT231, STAT232 and STAT332.			
Year 3			
ECON221	Econometrics	Autumn	6
ECON322	Mathematical Economics	Spring	6
MATH302	Differential Equations 3	Autumn	6
MATH317	Financial Calculus	Autumn	6
Plus either			
300- level ECON subject from List of Electives			6
or			
STAT232	Estimation & Hypothesis Testing	Spring	6
Plus			
300-level MATH/STAT subject from List of Electives			6
Plus			
ACCY/BUSS/ECON subject from List of Electives			6

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Plus

Any 200/300-level subject from List of Electives			6
Year 4 (Non Honours)			
ECON327	Advanced Econometrics	Spring	6
MGMT208	Introduction to Management for Professionals A	Autumn	6
Plus either			
300-level ECON subjects from List of Electives			12
Or			
300-level ECON subject from List of Electives			6
and			
STAT232	Estimation & Hypothesis Testing	Spring	6
Plus			
300/400-level INFO/MATH/STAT subjects from List of Electives			24
Year 4 (Honours)			
Entry to this program is restricted to candidates who satisfy the pre-requisite to INFO402			
ECON327	Advanced Econometrics	Spring	6
MATH471	Honours Topics in Mathematics A (see Note 1)	Autumn/Spring	6
MATH472	Honours Topics in Mathematics B (see Note 1)	Autumn/Spring	6
INFO402	Mathematics and Economics Honours Project (see Note 2)	Annual	12
MGMT208	Introduction to Management for Professionals A	Autumn	6
Plus			
300 - level ECON subject from the List of Electives			6
Plus			
300/400-level INFO/MATH/ECON/STAT subject from the List of Electives.			6

Note 1: Enrolment in MATH471 or MATH472 is restricted to those candidates who have a WAM greater than or equal to 67.5 on satisfactory completion of 144 credit points of the course, or permission of the Head of the School of Mathematics and Applied Statistics.

Note 2: Enrolment in INFO402 is restricted to those candidates who have a WAM greater than or equal to 67.5 on satisfactory completion of 144 credit points of the course, or permission of Course Coordinator.

List of Electives

ACCY102	Accounting 1B	Spring	6
FIN 241	International Financial Management	Autumn	6
COMM110	Introduction to Business Information Systems	Autumn/Spring	6
BUSS201	User- Centred Business Programming	Autumn	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
ECON301	Monetary Economics	Autumn	6
ECON305	Economic Policy	Spring	6
ECON309	Environmental Economics	Autumn	6
ECON310	Cost Benefit Analysis	Spring	6
ECON317	Economics of Health Care	n/o 2008	8
ECON322	Mathematical Economics	Spring	6
ECON331	Financial Economics	Spring	6
INFO411	Data Mining and Knowledge Discovery	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
INFO413	Information Theory	n/o 2008	6
MATH204	Complex Variable and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6

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MATH305	Partial Differential Equations	Spring	6
MATH321	Numerical Analysis	Spring	6
MATH322	Algebra	Autumn	6
MATH323	Topology and Chaos	Spring	6
MATH371	Special Topics in Industrial and Applied Mathematics 3	n/o 2008	6
MATH372	Special Topics in Mathematical Analysis 3	n/o 2008	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
STAT304	Applied Probability and Financial Risk	Autumn	6
STAT332	Multiple Regression and Time Series	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Spring	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT373	Special Topics in Probability and Statistics 3	Autumn	6
STAT471	Honours Topics in Statistics A	Autumn/Spring	6
STAT472	Honours Topics in Statistics B	Autumn/Spring	6

Honours

Students who enrol in the Honours program must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.

Bachelor of Mathematics and Finance

Testamur Title of Degree:	Bachelor of Mathematics and Finance
Abbreviation:	BMathFin
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	767
UAC Code:	756503
CRICOS Code:	016107B

Overview

The Bachelor of Mathematics and Finance is an elite degree that provides graduates with a firm foundation in both mathematics and finance.

The degree covers the basics of corporate finance, financial institutions and investments, and allows students to specialise through the choice of elective subjects.

Entry Requirements / Assumed Knowledge

Approximate UAI: 82

Assumed Knowledge: Any two units of English plus HSC Mathematics (not General Mathematics).

Recommended Studies: HSC Mathematics Extension 1

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

Students who enrol in Bachelor of Mathematics and Finance shall satisfactorily complete at least 192 credit points of prescribed subjects, together with the requirements prescribed for the program.

Of the 192 credit points:

the subjects listed in the Recommended Program are compulsory unless explicitly stated otherwise;

at least 168 credit points shall be for MATH, STAT, ACCY, ECON, FIN, MGMT and INFO* subjects;

no more than 66 credit points shall be for 100-level subjects;

For the non-Honours strand, at least 60 credit points shall be for 300- and/or 400-level subjects; including

at least 24 credit points of MATH/STAT/INFO* subjects and

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at least 24 credit points of ACCY/FIN subjects;

For the Honours strand,

12 credit points shall be for the project INFO401 and

at least 60 additional credit points shall be for 300- and/or 400-level subjects; the 60 additional credit points shall include at least:

24 credit points of MATH/STAT/INFO* subjects,

24 credit points of ACCY/FIN subjects,

24 credit points of 400-level subjects, and

One 400-level 6 credit point MAT, STAT or INFO* subject.

*Refers to INFO subjects coming from the Mathematics schedule.

The Bachelor of Mathematics and Finance degree structure also includes three (3) suggested subject streams for students interested in pursuing careers in particular branches of the quantitative finance industry such as:

- corporate finance and investments,
- risk management and actuarial studies, and
- financial services industry.

Students are encouraged to look at these alternative streams on the School's website and discuss the choice of subjects with their course coordinator.

Course Program

The following program of study is recommended to satisfy the requirements in minimum time.

Subjects		Session	Credit Points
Year 1			
ACCY100	Accounting 1A	Autumn/Spring	6
ACCY102	Accounting 1B	Spring	6
ECON111	Introductory Microeconomics	Autumn/Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
STAT131	Understanding Variation and Uncertainty#	Autumn	6
Plus either			
ISIT111	Programming Concepts	Autumn	6
or			
CSCI114	Procedural Programming	Autumn/Spring	6

Not compulsory, but highly recommended. Students may select an alternative subject from the List of Electives or enrol in a compulsory subject from a later year of the program

Year 2			
FIN 221	Introductory Business Finance	Autumn/Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
FIN 223	Investment Analysis	Spring	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
Plus			
Subject chosen from List of Electives			6
Year 3			
FIN 322	Advanced Business Finance	Spring	6
FIN 323	Portfolio Management	Autumn	6
ECON331	Financial Economics	Spring	6

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MATH203	Linear Algebra	Autumn	6
MATH317	Financial Calculus	Autumn	6
STAT332	Multiple Regression and Time Series	Spring	6
Plus			
Subjects chosen from List of Electives			12
Year 4 (Non Honours)			
Subjects chosen from List of Electives			48
Year 4 (Honours)Entry to this program is restricted to candidates who satisfy the prerequisite to INFO401			
ACCY407	Empirical Research Methods	Autumn	6
INFO401	Mathematics and Finance Honours Project (see Note 4)	Annual	12
Plus			
Subjects chosen from List of Electives			30

Note 4: Enrolment in INFO401 is restricted to those candidates who have a WAM greater than or equal to 67.5 on satisfactory completion of 144 credit points of the course.

List of Electives

ACCY201	Financial Accounting IIB	Spring	6
ACCY200	Financial Accounting IIA	Autumn/Spring	6
ACCY407	Empirical Research Methods	Autumn	6
BUSS212	Database Management Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
CSCI124	Applied Programming	Autumn/Spring	6
CSCI204	Object Programming and Frameworks	Autumn/Spring	6
CSCI235	Databases	Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/Spring	6
ECON216	International Trade Theory and Policy	Spring	6
ECON221	Econometrics	Autumn	6
ECON301	Monetary Economics	Autumn	6
ECON305	Economic Policy	Spring	6
ECON307	International Monetary Economics	Spring	6
ECON322	Mathematical Economics	Spring	6
ECON327	Advanced Econometrics	Spring	6
FIN 226	Financial Markets & Institutions	Autumn/Spring	6
FIN 251	Introduction to Financial Planning	Autumn	6
FIN 320	Risk and Insurance	Spring	6
FIN 324	Financial Statement Analysis	Autumn	6
FIN 325	Bank Management	Autumn	6
FIN 328	Retirement and Estate Planning	Autumn	6
FIN 329	Advanced Financial Planning	Spring	6
FIN 351	International Finance	Spring	6
FIN 359	Selected Issues in Finance	Autumn	6
FIN 422	Advanced Investment Analysis	Autumn	6
FIN 423	Advanced Portfolio Management	Spring	6
FIN 424	Advanced Financial Statement Analysis	Autumn	6
FIN425	Banking Theory and Practice	Autumn	6
FIN 426	Advanced Corporate Finance	Spring	6
FIN 428	Multinational Financial Management	Spring	6
FIN 487	Special Topic in Finance	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
INFO411	Data Mining and Knowledge Discovery	Spring	6

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INFO412	Mathematics for Cryptography	Autumn	6
INFO413	Information Theory	n/o 2008	6
LAW100	Law in Society	n/o 2008	6
LAW210	Contract Law	Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
MATH302	Differential Equations 3	Autumn	6
MATH305	Partial Differential Equations	Spring	6
MATH321	Numerical Analysis	Spring	6
MATH322	Algebra	Autumn	6
MATH323	Topology and Chaos	Spring	6
MATH325	Wavelets	n/o 2008	6
MATH371	Special Topics in Industrial and Applied Mathematics 3	n/o 2008	6
MATH372	Special Topics in Mathematical Analysis 3	n/o 2008	6
MATH471	Honours Topics in Mathematics A	Autumn/Spring	6
MATH472	Honours Topics in Mathematics B	Autumn/Spring	6
MGMT208	Introduction to Management for Professionals A	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
STAT304	Applied Probability and Financial Risk	Autumn	6
STAT333	Statistical Inference and Multivariate Analysis	Spring	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT373	Special Topics in Probability and Statistics 3	n/o 2008	6
STAT471	Honours Topics in Statistics A	Autumn/Spring	6
STAT472	Honours Topics in Statistics B	Autumn/Spring	6

Honours

Students who enrol in the Honours program must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.

Bachelor of Computer Science - Bachelor of Science

Testamur Title of Degree:	Bachelor of Computer Science (name of major) Bachelor of Science (name of major)
Abbreviation:	BCompSc-BSc
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	768
UAC Code:	751402
CRICOS Code:	017737G

Overview

Please refer to the entries for the Bachelor of Computer Science and Bachelor of Science (in Faculties of Science and Engineering).

Entry Requirements / Assumed Knowledge

Please refer to the entry requirements/assumed knowledge for the Bachelor of Computer Science and Bachelor of Science (in Faculties of Science and Engineering).

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Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

http://www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

To qualify for the double degree of Bachelor of Computer Science and Bachelor of Science, candidates must satisfactorily complete the subjects and credit points as prescribed in the following Program, and in so doing, satisfy the requirements for the Bachelor of Computer Science and the Bachelor of Science, respectively.

Minimum Performance Requirement

Candidates must maintain a weighted average mark (WAM) of at least 65 at the end of each year, otherwise they must show cause as to why they should be permitted to remain registered for the two courses.

Candidates who, at the end of any year of registration, have satisfied the minimum rate of progress requirements as specified in the General Course Rules, but who do not have a WAM of at least 65 and who have not given adequate reason as to why they should be permitted to continue with registration for the joint course, will be required to transfer into either a Bachelor of Computer Science or a Bachelor of Science.

Course Program

The following is a suggested program

Subjects		Session	Credit Points
Year 1			
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
CSCI124	Applied Programming	Autumn/Spring	6
MATH121	Discrete Mathematics	Autumn	6
Plus 24 credit points from 100-level subjects selected from the Science Schedule			
Year 2			
ISIT102	Information Systems	Spring	6
CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	Object Programming and Frameworks	Autumn/Spring	6
STAT131	Understanding Variation and Uncertainty*	Autumn	6
Plus at least 18 credit points from 100- and/or 200-level subjects selected from the Science Schedule.			
Plus at least 18 credit points selected from the Computer Science, Science and/or General Schedules.			
Year 3			
CSCI212	Interacting Systems	Autumn	6
CSCI222	Systems Development	Spring	6
Plus at least 12 credit points of 300-level subjects selected from the Computer Science Schedule.			
Plus at least 24 credit points from 200- and/or 300-level subjects selected from the Science Schedule.			
Plus at least 12 credit points selected from the Computer Science, Science and/or General Schedules.			
Year 4			
CSCI321	Project	Annual	12
Plus at least 12 credit points of 300-level subjects selected from the Computer Science Schedule.			
Plus at least 24 credit points from 200- and/or 300-level subjects selected from the Science Schedule.			

The subjects from the Science schedule must include a major from the Faculty of Science.

If the Science major study is Physics, please refer to your coordinator for details of MATHS subject selection. All others please see the Faculty of Science for advice on subject selection. NB* If the Science major requires STAT252 this should be completed instead of STAT131.

Major Study Areas

Please refer to the separate entries for the Bachelor of Computer Science and the Bachelor of Science (in Faculties of Science and Engineering).

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Honours

Candidates may apply within normal procedures to register for either, or consecutively, both the Bachelor of Computer Science (Honours), or the Bachelor of Science (Honours) after the satisfactory completion of the joint program.

Professional Recognition

The Bachelor of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional level".

Bachelor of Creative Arts - Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Creative Arts (major study)
	Bachelor of Computer Science (major study)
Abbreviation:	BCA-BCompSc
Home Faculty:	Creative Arts
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	844
UAC Code:	751503
CRICOS Code:	031166K

Overview

Please refer to the entries for the Bachelor of Creative Arts and the Bachelor of Computer Science.

Entry Requirements / Assumed Knowledge

Please refer to the entry requirements/assumed knowledge for the Bachelor of Creative Arts and the Bachelor of Computer Science.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

http://www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

To qualify for the double degree of Bachelor of Creative Arts - Bachelor of Computer Science, a candidate must satisfactory complete at least 216 credit points from the Computer Science Schedule, the Creative Arts Schedule and the General Schedule.

The 216 credit points must include:

No more than 96 credit points at 100- level;

No more than 36 credit points (i.e. 1/6) of subjects at PC grade.

The 108 credit points for Creative Arts must include a major study for the Bachelor of Creative Arts comprising 108 credit points of compulsory subjects as listed in the Bachelor of Creative Arts course structure.

The 108 credit points for Computer Science must include:

The following core subjects:

ISIT102	Information Systems
CSCI103	Algorithms & Problem Solving
CSCI114	Procedural Programming
CSCI124	Applied Programming
MATH121	Discrete Mathematics
STAT131	Understanding Variation & Uncertainty
CSCI203	Algorithms and Data Structures
CSCI204	Object Programming and Frameworks
CSCI212	Interacting Systems

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CSCI222 Systems Development
CSCI321 Project

Note: it is strongly recommended that STAT131 be taken in Year 2 of the degree. In special circumstances, STAT151 can be used as a substitute.

An additional 24 credit points of 300-level subjects, of which 12 credit points must be CSCI subjects.

At least 24 credit points of CSCI 300-level subjects, including CSCI321, must be at pass grade or better.

Elective subjects from the Computer Science Schedule, the Creative Arts Schedule or the General Schedule to the value of at least 12 credit points.

Course Program

The following program of study is recommended to satisfy the requirements in minimum time

Subjects		Session	Credit Points
Year 1			
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus up to 36 credit points of prescribed subjects for a Major Study selected from the Creative Arts course structure.			
Year 2			
CSCI102	Systems	Spring	6
CSCI124	Applied Programming	Autumn/Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI222	Systems Development	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
Plus up to 24 credit points of prescribed subjects for a Major Study selected from the Creative Arts course structure.			
Year 3			
CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	Object Programming and Frameworks	Autumn/Spring	6
Plus 12 credit points selected from the Computer Science Schedule, the Creative Arts Schedule or the General Schedule.			
Plus 12 credit points of 300-level subjects (Noting that CSCI336 Computer Graphics is required for the students enrolled in the Visual or Graphic Arts Studies programme in the Creative Arts degree.)			
Plus up to 24 credit points of prescribed subjects for a Major Study selected from the Creative Arts course structure.			
Year 4			
CSCI321	Project	Annual	12
Plus 12 credit points of 300- level Computer Science subjects			
Plus 24 credit points of subjects from Creative Arts Schedule			

Major Study Areas

Please refer to the entries for the Bachelor of Creative Arts and the Bachelor of Computer Science

Honours

Subject to satisfactory performance, existing 48 credit point end-on honours courses will be available for either the Bachelor of Computer Science or the Bachelor of Creative Arts, or sequentially for both degrees. Please refer to the entries for each degree for further details.

Professional Recognition

The Bachelor of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional level".

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Bachelor of Engineering – Bachelor of Arts

Testamur Title of Degree:	Bachelor of Engineering (name of major)
	Bachelor of Arts (name of major)
Engineering Majors Available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Abbreviation:	BE-BA
Home Faculty:	Informatics
Duration:	5 years (10 full-time sessions) or part-time equivalent
Total Credit Points:	274
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	704I
UAC Code:	751303
CRICOS Code:	048492A

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering - Bachelor of Arts combines the aims of the Bachelor of Engineering with those of the Bachelor of Arts.

It offers the opportunity for professional engineering students, who have a flair for languages, history, philosophy, etc., to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Arts for information additional to that presented below.

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

Students are required to satisfactorily complete one of the majors in Computer Engineering, Electrical Engineering or Telecommunications Engineering presented below.

Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

Generally, there is a minimum requirement of 72 credit points in subjects from the Arts Schedule for the Bachelor of Arts. In most cases, however, students should expect to be required to take up to 90 credit points from the Arts Schedule.

The choice of Arts subjects will be constrained by the requirements for a Bachelor of Arts degree as set out in the Bachelor of Arts entry in the Course Handbook and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Arts.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the Bachelor of Engineering - Bachelor of Arts that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the Bachelor of Engineering Course.

Professional Experience

All Bachelor of Engineering - Bachelor of Arts students must accumulate at least 12 weeks of approved professional engineering experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

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Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Arts entry for detail regarding the Bachelor of Arts (Honours).

Professional Recognition

The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Arts, students who have completed the recommended first year program of the Bachelor of Engineering (Computer or Electrical or Telecommunications Engineering Majors) and who have gained a weighted average mark of 67.5% or better may transfer to the Bachelor of Engineering - Bachelor of Arts.

Further information is available from www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Course Program

To qualify for the award of the degrees of Bachelor of Engineering and Bachelor of Arts, a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

all subjects prescribed for the Bachelor of Engineering, (except one of the General Schedule Subjects) and having a minimum value of 180 credit points; and

the requirements for the Bachelor of Arts.

To qualify for the award of the degree of Bachelor of Arts only, a candidate must satisfy requirements as specified in the Faculty of Arts entry for this course.

Recommended Full-Time Program

Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors

Subjects		Session	Credit Points
Year 1			
CSCI191	Engineering Programming 1	Autumn	6
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/Summer	6
Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG291	Engineering Fundamentals	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE222	Power Engineering 1	Spring	6
Plus	Choice of 100/200-level Arts Subjects	Autumn/Spring	18
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE212	Electronics	Spring	6
ECTE363	Communication Systems	Spring	6
Plus	Choice of 200/300-level Arts Subjects	Autumn/Spring	30

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Computer Engineering Major

Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE331	Embedded Java Systems	Spring	6
Plus	200/300-level Arts Subjects	Autumn/Spring	32
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subject	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	200/300-level Arts Subject	Autumn/Spring	6
Plus	300-level Arts Subject	Autumn/Spring	8

Electrical Engineering Major

Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE323	Power Engineering 2	Spring	6
Plus	200/300-level Arts Subjects	Autumn/Spring	32
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	200/300-level Arts Subject	Autumn/Spring	6
Plus	300-level Arts Subject	Autumn/Spring	8

Telecommunications Engineering Major

Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE365	Communication Systems Modelling	Spring	6
Plus	200/300-level Arts Subjects	Autumn/Spring	32
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		

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	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	200/300-level Arts Subject	Autumn/Spring	6
Plus	300-level Arts Subject	Autumn/Spring	8

Note: Details of Final Year Major Subjects and Final Year Specialisation Subjects are provided at the end of the Recommended Full-time Program in the Bachelor of Engineering section.

Bachelor of Engineering – Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Engineering (name of major) Bachelor of Commerce (name of major)
Engineering Majors Available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Abbreviation:	BE-BCom
Home Faculty:	Informatics
Duration:	5 years (10 full-time sessions) or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	727I
UAC Code:	751602
CRICOS Code:	042625G

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering - Bachelor of Commerce combines the aims of the Bachelor of Engineering with those of the Bachelor of Commerce. It offers the opportunity for professional engineering students, who have a flair for business, finance, management, marketing, etc., to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering. It is likely to be of particular interest to those students who wish to undertake a career in management.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Commerce for information additional to that presented below.

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics.

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

Students are required to satisfactorily complete one of the majors in Computer Engineering, Electrical Engineering or Telecommunications Engineering presented below. Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

To assist students to complete their program, some Commerce subjects are available in Summer Session. Students should consult the timetable for details.

The choice of Commerce subjects will be constrained by the requirements for a Bachelor of Commerce degree as set out in the Bachelor of Commerce entry in the Course Handbook and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Commerce.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

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It is a requirement of the Bachelor of Engineering - Bachelor of Commerce that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the Bachelor of Engineering Course.

Professional Experience

All Bachelor of Engineering - Bachelor of Commerce students must accumulate at least 12 weeks of approved professional engineering experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Commerce entry for detail regarding the Bachelor of Commerce (Honours).

Professional Recognition

The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Commerce, students who have completed the recommended first year program of the Bachelor of Engineering (Computer or Electrical or Telecommunications Engineering Majors) and who have gained a weighted average mark of 67.5% or better may transfer to the Bachelor of Engineering - Bachelor of Commerce.

Further information is available from www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Course Program

To qualify for the degrees of Bachelor of Engineering and Bachelor of Commerce a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

all subjects prescribed for the Bachelor of Engineering, (except ECTE250 Engineering Design and Management 2 and the General Schedule Subjects) and having a minimum value of 174 credit points; and

the requirements for the Bachelor of Commerce.

To qualify for the award of the Bachelor of Commerce only, a candidate must satisfy requirements as specified in the Faculty of Commerce entry for this course.

Recommended Full-Time Program

Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors

Subjects		Session	Credit Points
Year 1			
CSCI191	Engineering Programming 1	Autumn	6
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/ Summer	6
Note: MATH187 may be replaced by MATH141/161; MATH188 may be replaced by MATH142/162			
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG291	Engineering Fundamentals	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE222	Power Engineering 1	Spring	6
Plus	100/200-level Commerce Subjects	Autumn/Spring	18

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Year 3

ECTE333	Digital Hardware 2	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE212	Electronics	Spring	6
ECTE363	Communication Systems	Spring	6
Plus	200/300-level Commerce Subjects	Autumn/Spring	30

Computer Engineering Major

Year 4

ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE331	Embedded Java Systems	Spring	6
Plus	200/300-level Commerce Subjects	Autumn/Spring	30

Year 5

ECTE457	Thesis	Annual	18
Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	300-level Commerce Subjects	Autumn/Spring	12

Electrical Engineering Major

Year 4

ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE323	Power Engineering 2	Spring	6
Plus	200/300-level Commerce Subjects	Autumn/Spring	30

Year 5

ECTE457	Thesis	Annual	18
Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18
Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	300-level Commerce Subjects	Autumn/Spring	12

Telecommunications Engineering Major

Year 4

ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE365	Communication Systems Modelling	Spring	6
Plus	200/300-level Commerce Subjects	Autumn/Spring	30

Year 5

ECTE457	Thesis	Annual	18
Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
Plus	1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	300-level Commerce Subjects	Autumn/Spring	12

Note: Details of Final Year Major Subjects and Final Year Specialisation Subjects are provided at the end of the Recommended Full-time Program in the Bachelor of Engineering section.

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Bachelor of Engineering – Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Engineering (name of major)
	Bachelor of Mathematics (name of major)
Engineering Majors Available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Abbreviation:	BE-BMath
Home Faculty:	Informatics
Duration:	5 years (10 full-time sessions) or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	738
UAC Code:	751611
CRICOS Code:	BEng (Inf)-BMath: 002327E
	BEng(Eng)-BMath: 042626G

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering - Bachelor of Mathematics combines the aims of the Bachelor of Engineering with those of the Bachelor of Mathematics. It offers the opportunity for professional engineering students, who have a flair for mathematics or statistics, to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering. It is likely to be of particular interest to those students who wish to undertake a career in research.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Mathematics for information additional to that presented below.

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at: www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/propsective/international/credit

Course Requirements

Students are required to satisfactorily complete one of the majors in Computer Engineering, Electrical Engineering or Telecommunications Engineering presented below. Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

The choice of Mathematics or Statistics subjects will be constrained by the requirements for a Bachelor of Mathematics degree as set out in the Bachelor of Mathematics entry in the Course Handbook and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Head of the School of Mathematics and Applied Statistics.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the Bachelor of Engineering - Bachelor of Mathematics that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the Bachelor of Engineering Course.

Professional Experience

All Bachelor of Engineering - Bachelor of Mathematics students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

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Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of Honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Mathematics entry for detail regarding the Bachelor of Mathematics (Honours).

Professional Recognition

The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Associate Dean (Academic) of the Faculty of Informatics, students who have completed the recommended first year program of the Bachelor of Engineering (Computer or Electrical or Telecommunications Engineering Majors) and who have gained a weighted average mark of 67.5% or better may transfer to the Bachelor of Engineering - Bachelor of Mathematics.

Further information is available from www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Course Program

To qualify for the degrees of Bachelor of Engineering and Bachelor of Mathematics a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

all subjects prescribed for the Bachelor of Engineering, (except MATH283 Mathematics 2E for Engineers Part 1 and having a minimum value of 186 credit points;

Requirements 2, 3, 6, 8(a) and 9, for the Bachelor of Mathematics, including no more than 18 credit points at 100-level.

To qualify for the award of the degree of Bachelor of Mathematics only, a candidate must satisfy requirements as specified in the Faculty of Informatics entry for this course.

Recommended Full-Time Program

Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors

Subjects		Session	Credit Points
Year 1			
CSCI191	Engineering Programming 1	Autumn	6
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6
ECTE172	Introduction to Circuits and Devices	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/Summer	6
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG291	Engineering Fundamentals	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE222	Power Engineering 1	Spring	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
ECTE212	Electronics	Spring	6

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ECTE363	Communication Systems	Spring	6
Plus	200/300- level Mathematics or Statistics Subjects	Autumn/Spring	24

Computer Engineering Major

Year 4

ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE331	Embedded Java Systems	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Mathematics or Statistics Subjects	Autumn/Spring	18

Year 5

ECTE457	Thesis	Annual	18
Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Mathematics or Statistics Subject	Autumn/Spring	6

Electrical Engineering Major

Year 4

ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE323	Power Engineering 2	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Mathematics or Statistics Subjects	Autumn/Spring	18

Year 5

ECTE457	Thesis	Annual	18
Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Mathematics or Statistics Subject	Autumn/Spring	6

Telecommunications Engineering Major

Year 4

ECTE333	Digital Hardware 2	Annual	6

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ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE365	Communication Systems Modelling	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Mathematics or Statistics Subjects	Autumn/Spring	18
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Mathematics or Statistics Subject	Autumn/Spring	6

Note: Details of Final Year Major Subjects and Final Year Specialisation Subjects are provided at the end of the Recommended Full-time Program in the Bachelor of Engineering section.

Bachelor of Engineering – Bachelor of Science

Testamur Title of Degree:	Bachelor of Engineering (name of major) Bachelor of Science (name of major)
Engineering Majors Available:	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Abbreviation:	BE-BSc
Home Faculty:	Informatics
Duration:	5 years (10 full-time sessions) or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	739
UAC Code:	751621
CRICOS Code:	028398J

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering - Bachelor of Science combines the aims of the Bachelor of Engineering with those of the Bachelor of Science. It offers the opportunity for professional engineering students, who have a flair for the sciences, for example, physics, to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering. It is likely to be of particular interest to those students who wish to undertake a career in research.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Science (in the Faculties of Science and Engineering) for information additional to that presented below.

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics and two other units of Science.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

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www.uow.edu.au/handbook/generalcourserules/UOW028672.html

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

Students are required to satisfactorily complete one of the majors in Computer Engineering, Electrical Engineering or Telecommunications Engineering presented below. Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

The choice of Science subjects will be constrained by the requirements for a Bachelor of Science degree as set out in the Bachelor of Science entry in the Course Handbook and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Head of the School of Engineering Physics or the Sub-Dean, Faculty of Science.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the Bachelor of Engineering - Bachelor of Science that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the Bachelor of Engineering Course.

Professional Experience

All Bachelor of Engineering - Bachelor of Science students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Science entry for detail regarding the Bachelor of Science (Honours).

Professional Recognition

The Bachelor of Engineering Computer and Electrical Engineering Majors are accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering Telecommunications Engineering Major is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Science, students who have completed the recommended first year program of the Bachelor of Engineering (Computer or Electrical or Telecommunications Engineering Majors) and who have gained a weighted average mark of 67.5% or better may transfer to the Bachelor of Engineering - Bachelor of Science.

Further information is available from www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Course Program

To qualify for the degrees of Bachelor of Engineering and Bachelor of Science a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

all subjects prescribed for the Bachelor of Engineering, (replacing MATH283 Mathematics 2E for Engineers Part 1 with MATH201 Multivariate and Vector Calculus and MATH202 Differential Equations 2) and having a value of 198 credit points;

Subjects selected from the Science/Physics Schedule having a value of at least 60 credit points of study, of which no more than 18 credit points shall be for 100-level subjects.

To qualify for the award of the degree of Bachelor of Science only, a candidate must satisfy requirements as specified in the Faculty of Science entry for this course.

Recommended Full-Time Program

Computer Engineering, Electrical Engineering and Telecommunications Engineering Majors

Subjects		Session	Credit Points
Year 1			
CSCI191	Engineering Programming 1	Autumn	6
ECTE171	Introduction to Electrical Engineering Systems	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn/Summer	6
CSCI192	Engineering Programming 2	Spring	6

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ECTE172	Introduction to Circuits and Devices	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring/Summer	6
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG291	Engineering Fundamentals	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
ECTE203	Signals and Systems	Spring	6
ECTE222	Power Engineering 1	Spring	6
MATH202	Differential Equations 2	Spring	6
Plus	Choice of 100/200-level Science Subjects	Autumn/Spring	12
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
ECTE212	Electronics	Spring	6
ECTE363	Communication Systems	Spring	6
Plus	200/300-level Science Subjects	Autumn/Spring	24

Computer Engineering Major

Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE331	Embedded Java Systems	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subjects	Autumn/Spring	24
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Computer Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subject	Autumn/Spring	6

Electrical Engineering Major

Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE323	Power Engineering 2	Spring	6

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Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subjects	Autumn/Spring	24
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Electrical Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subject	Autumn/Spring	6

Telecommunications Engineering Major

Year 4			
ECTE333	Digital Hardware 2	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE301	Digital Signal Processing	Autumn	6
ECTE364	Data Communications	Autumn	6
ECTE365	Communication Systems Modelling	Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subjects	Autumn/Spring	24
Year 5			
ECTE457	Thesis	Annual	18
Plus	3 Telecommunications Engineering Major Subjects	Autumn/Spring	18
Plus	2 Final Year Specialisation Subjects	Autumn/Spring	12
	OR		
	Choice of: 1 Final Year Specialisation Subject	Autumn/Spring	6
Plus	1 General Schedule Subject - 100/200/300/400-Level Choice - excluding ECTE181, ECTE182, ECTE282 and ECTE283, and subject to Head of School approval	Autumn/Spring	6
Plus	300-level Science Subject	Autumn/Spring	6

Note: Details of Final Year Major Subjects and Final Year Specialisation Subjects are provided at the end of the Recommended Full-time Program in the Bachelor of Engineering section.

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Bachelor of Mathematics - Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Mathematics (name of major) Bachelor of Computer Science (name of major)
Abbreviation:	BMath-BCompSc
Home Faculty:	Informatics
Duration:	4 years (8 full-time sessions) or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	769
UAC Code:	751701
CRICOS Code:	016108A

Overview

Please refer to the entries for the Bachelor of Mathematics and the Bachelor of Computer Science.

Entry Requirements / Assumed Knowledge

Please refer to the entry requirements/assumed knowledge for the Bachelor of Mathematics and the Bachelor of Computer Science.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:

www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:

www.uow.edu.au/prospective/international/credit/

Course Requirements

To qualify for the double degree of Bachelor of Mathematics - Bachelor of Computer Science, a candidate must satisfactorily complete at least 216 credit points from the Computer Science Schedule, the Mathematics Schedule and the General Schedule, and, in so doing, satisfy the requirements for the Bachelor of Mathematics and the Bachelor of Computer Science respectively, as specified in the Course Handbook.

Minimum Performance Requirement

Candidates must maintain a weighted average mark (WAM) of at least 65 at the end of each year, otherwise they must show cause as to why they should be permitted to remain registered for the two courses.

Candidates who, at the end of any year of registration, have satisfied the minimum rate of progress requirements under General Course Rules, but who do not have a WAM of at least 65 and who have not given adequate reason as to why they should be permitted to continue with registration for the joint course, will be required to transfer into either a Bachelor of Mathematics or a Bachelor of Computer Science.

Course Program

The following program of study is recommended to satisfy the requirements in minimum time.

Subjects		Session	Credit Points
Year 1			
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
CSCI124	Applied Programming	Autumn/Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variations and Uncertainty	Autumn	6
Year 2			
ISIT102	Information Systems	Autumn	6

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CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	Object Programming and Frameworks	Autumn/Spring	6
CSCI212	Interacting Systems	Autumn	6
IACT201	Information Technology and Citizens' Rights#	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
Plus any two of			
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
Plus any 6 credit point 200-level CSCI subject			6

May be taken in Year 3, in lieu of 6 credit points of 200- or 300-level subjects, and replaced in year 2 by 6 credit points of 100- or 200-level subjects.

Year 3

MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
CSCI222	Systems Development	Spring	6

Plus any 12 credit points of 300-level Mathematics subjects,

Plus any 6 credit points 200-level Computer Science subjects,

Plus any 12 credit points 300-level Computer Science subjects,

Plus any 12 credit point of 200- or 300-level General Schedule subjects.

Year 4

CSCI321	Project	Annual	12

Plus 24 credit points of 300-level Mathematics subjects.

Plus 12 credit points of 300- level Computer Science subjects.

Major Study Areas

Please refer to the entries for the Bachelor of Mathematics and the Bachelor of Computer Science.

Honours

Candidates may apply to register for either, or consecutively, both the Bachelor of Mathematics (Honours) or the Bachelor of Computer Science (Honours) after the satisfactory completion of the double degree program.

Professional Recognition

The Bachelor of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional level".

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Informatics Dean's Scholars Programs

Testamur Titles of Degree:	Bachelor of Engineering (Dean's Scholar) Bachelor of Computer Science (Dean's Scholar) Bachelor of Information Systems (Dean's Scholar) Bachelor of Information Technology (Dean's Scholar) Bachelor of Mathematics and Economics (Dean's Scholar) Bachelor of Mathematics and Finance (Dean's Scholar) Bachelor of Internet Science and Technology (Dean's Scholar)
Abbreviations:	BE(Dean's Scholar) BCompSc(Dean's Scholar) BInfoSys(Dean's Scholar) BIT(Dean's Scholar) BMathEcon(Dean's Scholar) BMathFin(Dean's Scholar) BIST(Dean's Scholar)
Home Faculty:	Informatics
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1801 - BE(Dean's Scholar) 1802 - BCompSc(Dean's Scholar) TBA - BInfoSys(Dean's Scholar) 1803 - BIT(Dean's Scholar) 1805 - BMathEcon(Dean's Scholar) 1804 - BMathFin(Dean's Scholar) 1806 - BIST(Dean's Scholar)
UAC Codes:	755630 754110 754510 754310 756510 756520 754210
CRICOS Codes:	TBA

Overview

The Dean's Scholars degrees are designed to provide an enriched educational experience for high achieving students that will encourage them to continue their studies through the completion of honours and research degrees. There will be a combined quota of 15-20 students admitted across the Faculty each year. Dean's Scholars will complete all requirements for their respective degrees and, where possible, may be permitted to take an accelerated program after their first session. They will receive individual mentoring and the following privileges:

$500.00 per annum book allowance (pro rata amount for part-time students)

Extended internet quota

Extended library access

Access to accelerated program (see above)

Access to an academic mentor

Assignment to a Faculty research centre depending on the degree and interest of the student

Opportunity for summer internship (equivalent to the summer scholarships)

Aligning of the major or honours thesis project with a research project in the assigned research centre.

Entry Requirements / Assumed Knowledge

Approximate UAI: The Dean's Scholars programs in the listed degrees will be available to students with a UAI of above 90 and intakes will be limited to 15-20 students across the Faculty per annum.

Students in current non-Dean's Scholars degrees listed are able to transfer to the Dean's scholars program for those degrees providing they perform to the standard of a WAM of 75 for a fulltime load over two (2) sessions. This also applies to students 21 and over or international students – Part time students are assessed individually.

Course Requirements

Course programs for the Dean's Scholars degrees are identical to the current non-Dean's Scholars degrees offered by the Faculty – see relevant Handbook entries.

Continuation in the Dean's Scholars degrees will normally be dependent on the student achieving a WAM of at least 75 in each year of study. Students who do not meet the required average will be transferred to the equivalent non-Dean's Scholars degree.

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SUBJECT DESCRIPTIONS

BIST400 Internet Science & Technology IV Honours

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: Candidates who achieve a credit average or better in the Bachelor of Internet Science & Technology are eligible to enrol in an additional year of study towards a Bachelor of Internet Science and Technology (Honours).
Co-requisites: None
Subject Description: This Honours subject offers students the opportunity to study at an advanced level in areas of Internet Science and Technology. This subject will take advantage of specific knowledge and expertise within the Faculty. Students will acquire skills in communication and research methodology, as well as developing expertise in their chosen field of specialisation.

BUSS201 User-Centred Information Systems Programming

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS111 or CSCI111 or CSCI114 or ISIT111
Co-requisites: None
Exclusions: ISIT101
Subject Description: The aim of this subject is to provide students with a practical knowledge of user-centred application design using various visual programming concepts and techniques. The subject will provide students with the opportunity to understand and use the principles of user-centred design and computer-user interface design with visual programming tools and techniques and to understand and use the techniques of Joint Application Development and Rapid Application Development for visual program design. Students will learn to program visually utilising appropriate techniques in a commonly available visual programming environment.

BUSS211 Requirements Determination and Systems Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp 100 level BUSS or CSCI or COMM110
Co-requisites: None
Exclusions: ISIT100
Subject Description: This subject aims to introduce the student to the techniques and technologies of structured systems analysis. It examines the complementary roles of systems analysts, clients and users in life cycle development methods. Data flow analysis and process descriptions are introduced and the relation to object orientation examined. The student will make use of a Computer Aided Software Engineering (CASE) tool to document solutions to typical problems.

BUSS212 Database Management Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 6 credit points of BUSS100-level or CSCI100-level subjects or COMM110
Co-requisites: None
Exclusions: ISIT112
Subject Description: This subject aims to provide a concise and modern treatment of introductory database topics that are useful for information systems professionals. The goal of this subject is to learn the fundamental database concepts including conceptual data modelling, the relational data model and relational algebra and develop skills in the design and manipulation of relational databases using Structured Query Language (SQL). The subject will also briefly introduce advanced database concepts and emerging database technologies.

BUSS213 Content Management in Organisations

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: BUSS111 or CSCI114
Subject Description: The subject introduces students to a range of theoretical knowledge/ideas and practical skills associated with the planning, implementation, delivery and management of a Web-based content management system. The subject aims to prepare students for involvement in such projects within organisations where the use of content management systems for a wide variety of purposes, such as dynamic on-line catalogues, is steadily increasing. Students will obtain practical experience in using a range of appropriate software, using theoretical ideas to justify choices of representation within a context that involves some design constraints. Students will also gain practical experience in project management in a team-based environment.

BUSS214 Information Systems Development 1

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS111 or CSCI111 or CSCI114
Co-requisites: None
Exclusions: ISIT114
Subject Description: The aims of this subject are to consolidate and extend student's knowledge and skills in structured programming and to introduce them to the concepts and practice of object oriented programming. To achieve this aim the subject will provide students with an opportunity to develop further programming skills and good coding style; develop skills in using the object-oriented concepts of inheritance, encapsulation, construction, access control, overloading and messaging; develop and display competency in the design and implementation of object-oriented programs to solve business problems.

BUSS215 Information Systems Development II

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS214
Co-requisites: None
Subject Description: This subject aims to reinforce the principles, techniques and methodologies in the design of software systems using the object-oriented approach. The subject will provide the students with the opportunity to: understand and develop skills in advanced programming techniques and software

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engineering techniques in business applications; develop programs to satisfy business requirements by utilizing appropriate advanced techniques covered in this subject; solve realistic problems found in the workplace using appropriate techniques for development; broaden the use of Graphical User Interface in various business applications; further develop programming skills and good coding style with emphasis on modularisation; further develop skills and competency in the design and implementation of object-oriented software systems.

BUSS218 Systems Design and Architecture

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS211
Co-requisites: None
Subject Description: This subject extends systems analysis and introduces the student to the techniques and technologies of structured systems design and object oriented systems design in the post-analysis stages of the Systems Development Life Cycle. It examines the complementary roles of systems analysts, designers, clients and users in traditional Systems Development Life Cycle and Object Oriented development methods. Process and Object methods and models are extended to cover systems design and implementation. Program design is placed in the context of systems design. The student will make use of a Computer Aided Software Engineering (CASE) tool to document design solutions to typical problems.

BUSS227 System Usability

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: BUSS111 or CSCI114
Exclusions: Not to be counted with BUSS927 Human Computer Interaction
Subject Description: This subject examines usability theory methods and practices in the context of practical information systems in organisations. The subject is intended to provide students with an understanding of and experience in usability design and evaluation practice. Topics include Interface Constituents; Basic Interaction including Event Handling, Model-View Controller Architecture, Abstract Devices, Look and Feel, Widgets and Interfaces, Layout, Interactivity in the Context of Interaction, and Interaction Styles; Usability Paradighms and Principles including functional models, task-oriented functional design, task analysis, and evaluation analysis; HCI Interaction Models including social, organisational, informational and ergonomic design, Design Processes; and Usability in Action.

BUSS307 Electronic Commerce

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to be counted with BUSS907 Fundamentals of e-Business
Subject Description: This subject aims to provide an understanding of the scope of electronically supported commercial activities. The use of electronic commerce to achieve strategic advantage at the organisational, local and global arena will also be examined, with reviews on the broader social implications of electronic commerce.

BUSS308 Information Systems Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 6 cp at 300 level BUSS or CSCI subjects
Co-requisites: None
Subject Description: Students will be introduced to the processes involved in managing information systems in the contemporary business environment. Students will gain an appreciation of the issues surrounding the strategy and planning of information systems; the strategic, tactical and operational roles of the Chief Information Officer (CIO); the alignment between information systems and business; policy and practice; technology diffusion; operational management; major trends impacting information systems management and how to asses the value of information systems.

BUSS311 Advanced Database Management Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS212
Co-requisites: None
Subject Description: This subject provides an overview of the relational data model and relational database management systems followed by comprehensive coverage of some of the advanced topics related to data and database administration, CASE tools, post-relational database systems and recent developments in the areas of online analytical processing, data mining and the World Wide Web (WWW). Discussion of these relatively recent and advanced topics is expected to equip the student to meet the challenges in database management and advanced applications development in contemporary organisations. Students will be presented with opportunities to do hands-on work with appropriate commercial tools.

BUSS312 Business Data Communications

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 200 level BUSS subjects
Co-requisites: None
Subject Description: This subject examines distributed information systems and data communications technology and their support of organisational objectives, the design of networked computer systems, the selection of appropriate hardware and software platforms and the current and future trends in data communications.

BUSS313 Information Retrieval Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: 6 cp of 300 level BUSS/CSCI/IACT subjects
Subject Description: This subject examines information retrieval within the context of full text retrieval databases. Topics include the study of the major models for information retrieval for system evaluation for document search and clustering. The subject is intended to provide students with understanding and practice of the latest technologies for Information Retrieval Systems and understand the relationships between information retrieval and database systems. Topics may include advanced issues in document clustering, information filtering,

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visualisation and management for the delivery of digital content. Most topics will be viewed in the framework of distributed information systems and the internet.

BUSS315 Knowledge and Information Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: 6 cps of 300-level BUSS subjects
Subject Description: This subject provides an introduction to Knowledge and Information Design via an applied library sciences approach to the understanding of information spaces. The appropriate application environments, knowledge acquisition and representation schemes for developing knowledge and information spaces are examined along with their relationship to contemporary Web and content management systems. In addition, managerial issues in design information spaces, and general methodologies for knowledge and information analysis and design, are exercised.

BUSS316 Information Systems Prototyping

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS212 and BUSS111 or CSCI111 or CSCI114
Co-requisites: None
Exclusions: Not to count with BUSS216
Subject Description: This subject provides an understanding of the systems development and modification process. It enables students to evaluate and choose an appropriate systems development methodology. It emphasises the factors for effective communication with users and team members and all those associated with development and maintenance of the system. It introduces and describes evolutionary systems development methodologies, and addresses the issues involved in project planning, documentation, management and monitoring of evolutionary development.

BUSS317 Information Systems Development and Integration

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS214
Co-requisites: None
Subject Description: This subject aims to provide students with the concepts of web development programming; the skills to design and write dynamic web based application using databases and scripting languages; the concepts of data structures and solid foundation in structured programming principles; familiarity with well known Integrated Development Environments; the skills to use HTML/XHTML mark up languages and HTTP protocols for designing web based business programs of moderate complexity.

BUSS318 Information Systems Project

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS212
Co-requisites: None
Subject Description: This subject aims to provide students with: practical experience in the principles and techniques of project management; experience in the design of a real world project involving IS techniques; and practical experience in team work and project management skill development.

CSCI102 Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT101
Subject Description: CSCI102 establishes the position of Computer Science and Information Technology in a non-programming context. Areas introduced include Human-Computer Interface, Information Modelling, Intelligent Systems, Networks, Operating Systems, Software Design and Development and Professional ethics, rights and responsibilities.

CSCI103 Algorithms and Problem Solving

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: CSCI103 introduces the basic concepts of algorithms and their relationship to data structures and problem solving. This subject emphasises problem solving techniques leading to the development of algorithms rather than their implementation or a formal mathematical treatment of algorithms. Topics include sorting, searching and counting problems and the principal algorithms used in their solution. Common approaches to algorithm development and analysis will be examined.

CSCI114 Procedural Programming

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Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with BUSS111 or CSCI111
Subject Description: CSCI114 introduces the procedural approach to program design and implementation. Covers basic language constructs for defining variables of built-in types, flow control constructs and simple I/O. Explores functional decomposition as a design technique, and the implementation of functions. Introduces simple user-defined data types and aggregates.

CSCI124 Applied Programming

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI111 & CSCI103 or (CSCI114 and CSCI103)
Co-requisites: None
Exclusions: Not to count with CSCI121
Subject Description: This subject develops a thorough understanding of program design using data structures. It extends CSCI114 and presents pointers, dynamic memory management and exception handling. Other topics include implementation of Sorting and Searching Algorithms including the use of typedefs, void pointers and indexes to generalise algorithms; Implementation of data structures: queues, stacks, linked lists, dequeues,

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trees; Use of arrays as an implementation structure ¿ hashing, radix sort, heaps and Heapsort; Random Access files and internal I/O; Testing of programs: black and white box testing, and the use of debuggers; Use of multi-file organisation in encapsulation and data hiding, with make files; These concepts will be treated through formal lectures, tutorials, assignments and laboratory sessions employing an object oriented language.

CSCI191 Engineering Programming 1

Autumn Wollongong
On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with CSCI114, CSCI111 or BUSS111
Subject Description: The primary topic areas in this course include, but are not limited to, computer representation of various data types, the computer instruction set, basic C syntax, logic operators, flow control, functions, arrays, pointers, simple IO, scope of variables, basic microprocessor instruction cycle, relationships between assembly language and C, compilation, linkage and loading of programs. Students will learn structured programming such that problems can be translated from word definition to an intermediate stage and then implementation in C.

CSCI192 Engineering Programming 2

Spring Wollongong
On Campus
Credit Points: 6
Pre-requisites: CSCI191
Co-requisites: None
Exclusions: Not to count with CSCI124 or CSCI121
Subject Description: The primary topic areas in this course include, but are not limited to; use of pointers in C, dynamic memory management, multi-file programs and make, testing and verification of software, problem solving strategies, the role of algorithms in the problem solving process, implementation of algorithms and the properties of algorithms. Basics of C++, classes, function overloading.

CSCI203 Algorithms and Data Structures

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI121 or CSCI124
Co-requisites: None
Subject Description: Approaches to analysing algorithm complexity, introduced in first year subjects, will be reviewed. The use of abstract data types as a design technique, and their implementation in solutions to problems, will form a large part of the subject. The concept of efficient code and ways to measure efficiency (both empirically, by timings, and theoretically) will be studied.

CSCI204 Object Programming and Frameworks

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI121 or CSCI124 or CSCI192
Co-requisites: None
Subject Description: CSCI204 develops a thorough understanding of the object-based approach and introduces topics including encapsulation, data hiding, inheritance, polymorphism and runtime binding. Templates are introduced as method of achieving generalisation. Container classes and the Standard Template Library are introduced as tools of generic programming. Graphical User Interface Design Concepts are discussed, including a framework as an example of OO design and implementation.

CSCI205 Development Methods & Tools

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI121 or CSCI124 or CSCI192
Co-requisites: None
Subject Description: This subject provides an introduction to the process of design and analysis of software. Students will receive a formal introduction to the design process and techniques, followed by the opportunity to use modern design techniques to address real-world problems. A range of modern techniques and tools will be covered, in particular UML.

CSCI212 Interacting Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI124 And CSCI102 OR CSCI121 And CSCI102
Co-requisites: None
Subject Description: The subject develops an understanding of the operating system and tools from a programmer's viewpoint. Topics covered include the file system, processes, communication and tools. In particular, access, security, organisation, operating system effect on performance of a program, support, control; process and interaction, inter-process communication; use of shell scripts and commands to enhance problem solving; tools for development process; program paradigms: parallel, distributed, etc.

CSCI213 Java Programming & Object Oriented Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI121 or CSCI124 or CSCI192
Co-requisites: None
Exclusions: ITCS213
Subject Description: This subject provides: 1. an introduction to the Java language and some of its standard class libraries 2. experience with object oriented design and implementation techniques 3. the use of UML to document OO applications Topics will include: Java language, subset of Java class libraries (windowing, graphics, networking, threads), object oriented design and implementation, and introduction to security issues.

CSCI222 Systems Development

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI102 and (CSCI124 or CSCI121) or CSCI192
Co-requisites: None
Subject Description: This subject provides an introduction to the practical aspects of developing and managing a software project. Students will be gain practical experience with tasks including: Project Management;

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Requirements Analysis; Software Design; Source Control and Software Testing. The subject will also include review of object-oriented design and implementation, design patterns and provide an overview of technologies for re-use. CSCI222 provides a framework for understanding and developing the necessary skills to successfully undertake the major third year software project. The emphasis of this subject is on the design and development process and its application to real world problems.

CSCI231 Operating Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: CSCI121 or CSCI124 or CSCI192
Co-requisites: None
Subject Description: This subject develops a thorough understanding of the principles and concepts of modern computer operating systems. Topics covered will broadly include, process management, resource allocation, OS kernel, memory management, concurrency and file systems. Specifically the subject will include discussions on, process concept, synchronisation, concurrency control, threads, inter-process communication, deadlock prevention, avoidance and detection, micro and monolithic kernels, multi-tasking, interrupt handling, system and user processes. System calls, problems of allocation, protection and sharing, memory mapping schemes, CPU scheduling algorithms, real-time scheduling, naming and directory schemes, disc space allocation, file protection and access control and operating system security.

CSCI235 Databases

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI121 or CSCI124
Co-requisites: None
Subject Description: This subject investigates three major areas of modern database systems: 1. design of relational databases 2. programming of relational databases 3. concurrency control and data recovery in database systems Topics will include: Introduction to conceptual database modelling; Principles of relational database model; Structured Query Language (SQL) and its procedural extensions (PL/SQL, Embedded SQL, JDBC); Database server programming; Normalisation of relational databases; and Transaction management and recovery in database systems

CSCI236 3D Modelling and Animation

Spring2008/Summer2008 Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of 200 level CSCI or IACT subjects
Co-requisites: None
Exclusions: CSCI463
Subject Description: This subject provides students with a hands-on introduction to the use of computers for developing models of three-dimensional objects and viewing them in 3D as still images and animations. Topics covered include basic modelling primitives, from polygons to spline surfaces; tools to modify simple objects; surfacing concepts such as textures and bump maps; basic lighting of scenes; the animation process including key frames, articulated structures, camera movement and morphing; lighting effects such as volumetrics and radiosity. The subject uses the industry standard software package LightWave.

CSCI262 System Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI121 or CSCI124
Co-requisites: None
Subject Description: The subject covers some fundamental computer security technologies in the following aspects: (1) Operating system security such as physical security, file protections, system abuses, attacks and protections; (2) Database security including data integrity, data recover, data encryption/ decryption, access control, and authentication; (3) Mobile code security including malicious logic, host and mobile code protection, mobile agents' security. (4) Intrusion detection; (5) Security policies; (6) Security management and risk analysis.

CSCI311 Software Process Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI205
Co-requisites: None
Subject Description: The primary aim of this subject is to acquaint students with the formal methodologies associated with the task of managing the software development process. Topics may include: Project Planning, Cost Estimation, Project Scheduling, Factors Influencing Productivity, Productivity Metrics, Risk Assessment and Management, Planning for Change, Release and Configuration Management, Software Process Standards, Software Contracts, Approaches to Maintenance, Long-Term Software Development, Case Studies of Real World Projects, Ethics, Professional Organisations, Legal Implications and Liabilities

CSCI313 Professional Programming Practices

Not on offer in 2008
Credit Points: 6
Pre-requisites: CSCI204
Co-requisites: None
Subject Description: The aims of this subject are to assist students in refining their programming skills and to develop awareness of issues important to professional programmers. The focus will be predominantly on programming in C++. Topics will include more advanced language features, tools, and libraries.

CSCI315 Database Design and Implementation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI235
Co-requisites: None
Subject Description: This subject investigates the process of relational database design starting from conceptual database design, through logical database design up to and including physical database design, database tuning and administration. The topics will include conceptual database design based on Object Modelling Technique, methodologies for conceptual design, view integration, logical database design, database

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normalization and de-normalization, physical database design, generation of database applications, database tuning, design of distributed database systems.

CSCI317 Database Performance Tuning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI235
Co-requisites: None
Subject Description: The subject addresses the performance problems of relational database systems. In particular, it presents optimisation of query processing in relational database systems, performance tuning of database applications, transaction processing in database systems, optimisation of transaction processing, performance tuning of relational database servers, performance tuning of three tier database applications. Laboratory classes demonstrate the techniques used for elimination of performance problems in database systems. Oracle 9i database management system is used for demonstration purposes and all practical work in the subject.

CSCI318 Software Engineering Practices & Principles

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECTE250+(CSCI191 or CSCi192) or CSCI205
Co-requisites: None
Exclusions: MCS9318, CSCI425, CSCI925
Subject Description: This subject examines the current state of software engineering both as an academic discipline and as a profession. The subject focuses on issues of requirements engineering, system procurement, and professional practice, and through case studies, the subject considers reasons for the failure and success of various software engineering projects. Topics which may be covered include: Requirements Elicitation, Functional and Non-Functional Requirements, Design Patterns and Refactoring, Reverse Engineering, Software Quality Assurance, Analysis and Verification of Specification and Design, Examples of Formal Techniques in Software Engineering.

CSCI319 Distributed Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI204 and CSCI213
Co-requisites: None
Subject Description: This subject introduces basic concepts underlying modern distributed computing architectures and provides some experience in the implementation of systems built using these architectures. Topics covered will include: low-level basics including sockets, internet-based inter-process communications, and threading; remote-procedure-calls and remote-method-invocations; modern synchronous and asynchronous XML-RPC style client server systems and supporting processes; messaging and transactional systems; peer-to-peer and grid technologies; supporting systems such as naming and directory services.

CSCI321 Project

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 12
Pre-requisites: (CSCI222+ CSCI204) or (CSCI213+ CSCI222) or (CSCI213 +CSCI204) AND 12cp of 200 level subjects
Co-requisites: None
Subject Description: Working in groups, students design, implement, and document a software system. Involves: project planning and scheduling, seminars and individual presentations, group coordination, research of proposed application domain, use of design methodologies, design documentation, coding, module and system integration, testing, verification, and implementation. A small number of project topics have been proposed. Students will form teams, each of which will design, implement and document a solution to one of the proposed projects. Teams will meet weekly with supervisors to discuss progress and problems.

CSCI322 Systems Administration

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI204 and 6 cp of 200-level CSCI subjects
Co-requisites: None
Subject Description: This subject will cover the practical and theoretical aspects of system administration. The various resource areas which have to be managed will be discussed and examined, and the possible methods of monitoring and controlling them in various systems will be investigated. The features unique to both single processor and networked systems will be investigated.

CSCI323 Artificial Intelligence

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI204 and 6cp of 200-level CSCI subjects
Co-requisites: None
Subject Description: CSCI323 reviews the main components of Artificial Intelligence research including knowledge representation, reasoning, natural language understanding, and perception. Focuses on Expert Systems and the computational models they embody. Introduces the programming languages Lisp and Prolog.

CSCI324 Human Computer Interface

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI204 and 6cp 200 level CSCI subjects
Co-requisites: None
Exclusions: not to count with IACT403, IACT931
Subject Description: This subject examines the design evaluation and implementation of interactive computing systems for human use (HCI) and the major phenomena surrounding them. Also considered are joint performance of tasks by humans and machines, structure of human machine communication, social and organisational interactions with machine design, human capabilities to use machines including their learnability as well as algorithms and programming of the interface itself, engineering concerns that arise in designing interfaces, the process of specification design and implementation of interfaces and design tradeoffs.

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CSCI325 Software Engineering Formal Methods

Not on offer in 2008
Credit Points: 6
Pre-requisites: CSCI204
Co-requisites: CSCI311
Subject Description: This subject introduces students to formal methods for software specification. The role of formal methods in the software development process is explained, and it is illustrated with case studies of the industrial application of formal methods. The subject uses the Z notation as an example of a formal specification technique, and software tools for the manipulation of Z specifications are introduced. Case studies in the application of formal methods to safety-critical and real-time software systems are presented.

CSCI332 Web Design

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24cp @200 level
Co-requisites: None
Subject Description: This subject introduces students to the design and programming of multi-tier web sites, where dynamic pages present data from databases. Programming will be done with frameworks, such as Apple Web Objects to create web applications that support dynamic web pages and object models of databases. Topics include the design and creation of user process, site architecture, elegant page layouts and simple site navigation. Pages will be designed and content created with professional web tools, such as Adobe web tools. Emphasis is placed on user process, good media design, clean architecture and efficient algorithms.

CSCI333 Compilers

Not on offer in 2008
Credit Points: 6
Pre-requisites: CSCI337
Co-requisites: None
Subject Description: CSCI333 introduces the theories and practices of compiler and interpreter construction. Covers: lexical analysis, parsing, code generation, optimisation, symbol tables, and error detection.

CSCI334 Interfacing and Real Time Programming

Not on offer in 2008
Credit Points: 6
Pre-requisites: CSCI121 or CSCI124
Co-requisites: None
Subject Description: The emphasis of this subject is on low-level interfacing of computer peripherals in high-level languages. Students will be required to complete a number of practical assignments. Topics to be covered will include (a) Motorola MC68HC12 Programmer's model, (b) interrupt handling, (c) I/O registers, (d) data input, error detection and correction, filtering, storage and output, (e) programmable chips for digital, serial, analog and disk I/O, graphics, memory management and real-time clocks.

CSCI336 Computer Graphics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI204 and 6cp of 200-level CSCI subjects
Co-requisites: None
Subject Description: Introduction to computer representation of lines and points; mathematical models; transformations in 2 and 3 dimensions; homogenous coordinate systems; fill algorithms; solid modelling; hidden line and surface algorithms; lighting models; and current trends.

CSCI337 Organisation of Programming Languages

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI124 or CSCI121
Co-requisites: None
Subject Description: CSCI337 develops an understanding of major programming paradigms including imperative, functional, logical, object-oriented, and procedural paradigms. Introduces formal language specification. Covers language definition and syntax; data types and data structures, control structures and data flow; run-time considerations; and interpreted languages.

CSCI346 Game Development

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI236
Co-requisites: None
Subject Description: Subject introduces the game development and production lifecycle. Students are exposed to the different game genre and how they affect game play. The design and development of different game plays are introduced. The subject allows students to explore the appreciation and critical review of modern games. There is a hands-on aspect of the subject where students design and develop games of different genres using appropriate game development framework.

CSCI356 Game Engine Fundamentals

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI204
Co-requisites: None
Subject Description: The subject will employ an appropriate game engine to illustrate the use of an application programming interface (API) in the design and development of physics and artificial intelligence models for computer games. The subject will cover topics including, dynamics of particles, collision, rigid body dynamics and collision, gravity and projectiles, spring systems, water and waves. "Artificial intelligence" topics include finite state machines, fuzzy state machines, etc. The subject also covers the development of terrain, sound, etc, for games.

CSCI361 Cryptography and Secure Applications

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (CSCI204 or CSCI213) plus 6cp of 200-level CSCI subjects
Co-requisites: None
Subject Description: This subject develops the skills and knowledge necessary to identify and address security problems in a variety of simple communication models. Topics covered include: Classical cryptology, Modern secret key cryptography including block (DES, AES) and stream ciphers (RC4), security properties

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(authentication, integrity, confidentiality, availability), public key cryptography (knapsacks, RSA, Rabin, Elgamal), digital signatures (RSA, DSS, Elgamal) , hashing (birthday paradox, Merkle-Damgard construction), MACS's, Key management (PKI, certificates, key establishment/exchange/transport, Diffie-Hellman), Identification protocols, Privacy preserving (mix-nets), Secret sharing. Applications studied include some of: email security, SET, E-payment, E-voting, Fair exchange.

CSCI365 CSCI Honours Preliminary Project

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A supervised reading course for prospective Honours students. Under direction of a member of academic staff, students undertake a reading or small research project in an area of Computer Science not available by coursework. Introduction to research methodology.

CSCI366 Multimedia Computing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI204
Co-requisites: None
Subject Description: The subject will introduce the acquisition, representation, compression, transportation/communication and consumption of multimedia data including, images, video and audio. The treatment will be general and cover commonly used acquisition devices including digital still and video cameras, audio microphones; colour representation techniques for images and video; modern compression techniques for compact representation (JPEG, JPEG2000, H.264/AVC, MPEG4,); RTSP, etc. The subject will include a laboratory component where students design and implement simple applications of multimedia including computer games.

CSCI368 Network Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI361
Co-requisites: None
Exclusions: CSCI468
Subject Description: This subject provides a survey of network security technologies, and explores them in practice. This includes but is not limited to, network-based threats, security failure in cryptographic and network protocols, authentication servers, certificates and public-key infrastructures, security provisions in communication protocols and standards, electronic mail security, firewalls and intrusion detection systems.

CSCI370 Special Topics in Computing Science A

Not on offer in 2008
Credit Points: 6
Pre-requisites: 12 credit points of CSCI or IACT @ 200 level
Co-requisites: None
Subject Description: Topics selected from the areas of interest of staff members or visiting faculty. Consult the Head of School for details.

CSCI371 Special Topics in Computing Science B

Not on offer in 2008
Credit Points: 6
Pre-requisites: 12 credit points of CSCI or IACT @ 200 level
Co-requisites: None
Subject Description: Topics selected from the areas of interest of staff members or visiting faculty. Consult the Head of School for details.

CSCI372 Special Topics in Computing Science C

Not on offer in 2008
Credit Points: 6
Pre-requisites: 12 credit points of CSCI or IACT @ 200 level
Co-requisites: None
Subject Description: Topics selected from the areas of interest of staff members or visiting faculty. Consult the head of school for details.

CSCI373 Special Topics in Computing Science D

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: CSCI425
Subject Description: Topics selected from the areas of interest of staff members or visiting faculty. In 2006, this subject examines the current state of software engineering both as an academic discipline and as a profession. The subject focuses on issues of requirements engineering, system procurement, and professional practice, and through case studies, the subject considers reasons for the failure and success of various software engineering projects.

CSCI398 Introduction to Enterprise Computing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI399
Co-requisites: None
Exclusions: CSCI407
Subject Description: The primary aim of this subject is to equip students with a thorough understanding of the technologies that underlie distributed enterprise systems. The origins of these technologies and the development of container/component models for applications will be explored. The subject will include coverage of remote invocation mechanisms (such as RPC, Java RMI, CORBA, XML/RPC, SOAP, Service Oriented Architectures etc), lifecycle issues (in Java RMI, CORBA, EJB), and supporting services (transactions, automated data persistence, events/messaging, naming, trading, security, and XML-parsing). Students will complete introductory assignments that provide basic experience in a number of these advanced technologies.

CSCI399 Server Technology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI213 or ITCS213
Co-requisites: None

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Subject Description: This subject provides a broad overview of the computing technologies that underlie e-commerce. Technical topics will include: the HTML-markup language and HTTP protocol, client-side scripting with Javascript, CGI programming using Perl, web server configuration (Apache), PHP scripting, Java servlets, Java Server Pages, and a limited introduction to .NET

CSCI400 Computer Science Honours Project

Annual Wollongong On Campus
Credit Points: 18
Pre-requisites: None
Co-requisites: IACT441
Exclusions: CSCI401
Subject Description: It is a research project conducted under the supervision of academic staff in the school. It provides an opportunity for the student to engage in research training in general and to specialise in an area of mutual interest to them and their supervisor.

CSCI405 Computer Science Joint Honours

Not on offer in 2008
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: The thesis is usually integrated with the other academic unit. The subject comprises one half of CSCI401. A topic for the thesis will be determined in consultation with the other academic unit. See the Computer Science co-ordinator for advice.

CSCI410 Formal Methods in Software Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 18cp @ CSCI 300 level
Co-requisites: None
Exclusions: CSCI325
Subject Description: This subject introduces students to formal methods for software specification. The role of formal methods in the software development process is explained and investigated. The subject uses the Z notation as an example of a formal specification technique and introduces software tools for the creation and manipulation of Z specifications. Case studies of safety-critical and real-time systems are used as a basis for a study of the application of formal specification techniques. Topics will include: Introduction to formal approaches to design and specification, Review of mathematical foundation for formal methods, use of assertions and proof, analysis and verification of specification and design, disciplined approaches to design change, Z notation and its related software tools.

CSCI411 Computing Science Honours Seminar

Not on offer in 2008
Credit Points: 12
Pre-requisites: None
Co-requisites: None

CSCI412 Computing Science Honours Seminar Part I

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None

CSCI413 Computing Science Honours Seminar Part II

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None

CSCI424 Reasoning and Learning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cp @ CSCI 300 level
Co-requisites: None
Subject Description: This subject introduces students to the concepts of agents and heuristics used in intelligent reasoning and learning systems. Topics covered include multi-agent systems, agent safety, agent liveliness, computational heuristics, machine learning techniques, case based and other forms of knowledge reasoning, temporal reasoning, knowledge extraction, ontology and complexity. It examines software architectures and programming systems for implementing reasoning, learning, searching and modelling to solve intelligent systems' problems in the presence of incomplete information.

CSCI426 Software Testing and Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cp @ 300 level
Co-requisites: None
Subject Description: Testing is a crucial task in the software development life cycle, and can easily exceed fifty percent of a project's total development cost. This subject will provide students with practical software testing and analysis methods for software quality assurance. Topics may include: software qualities, static analysis methods including reviews and analysis by tools, specification-based or black-box testing techniques, structure-based or white-box testing techniques, debugging techniques, data flow analysis, model checking, automation of testing, quality assurance for Web applications, testing for software security, testing throughout the software life cycle, test management, and the psychology of testing. Practical components will include designing and implementing strategies and methods to test real-world programs effectively and efficiently.

CSCI427 Service-Oriented Software Engineering

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @CSCI 300 level
Co-requisites: None
Subject Description: This subject aims to provide students with a thorough understanding of the software engineering aspects of the increasingly important service-oriented computing paradigm. Topics covered include service-oriented architectures, service modeling and requirements analysis, service semantics, service discovery, service design, service composition, service inter-operation, QoS factors, service-level agreement management, business process modeling and management, lifecycle management, compliance

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management, distributed transaction management, privacy and trust. The subject will involve industry guest lectures and a practical development project.

CSCI435 Computer Vision

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @CSCI 300 level
Co-requisites: None
Subject Description: This subject is designed to equip the student with an understanding of the fundamental tools required to analyse, design and implement computer vision systems. Topics covered include low-level, mid-level, and high-level vision; image formation; camera model and calibration, stereo vision; edge detection and segmentation; thinning and skeletonising, binary morphological operations; object recognition, image interpretation and scene understanding.

CSCI436 Visualisation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI336
Co-requisites: None
Exclusions: CSCI463
Subject Description: This subject examines a broad range of visualisation techniques used in industry to assist researchers in analysis and interpretation of data. It introduces general techniques for the display of univariate, multivariate and vector data in one, two and higher independent dimensions. The underlying geometric computational techniques are presented as well as their application in specific fields. Topics include such areas as splines, contours, Voronoi diagrams, height fields, vector fields, atomic modelling and 3D scalar fields.; Research papers provide source material for the majority of this subject.

CSCI441 CS Research Methodology

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT441
Subject Description: The program of study for BCompSc(Hons),CSCI441 consists of attendance and participation at a series of seminars on research methodology (including quantitative and qualitative analysis). Seminars will cover the purpose of research, formulating a research question, conducting a literature review and writing a research proposal. Students will learn how to design an appropriate research plan. Requirements for scholarly writing will also be discussed and the process of undertaking a research project will be analysed.

CSCI444 Perception and Planning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @300 level
Co-requisites: None
Subject Description: This subject explores ways in which a robot can combine data from a variety of sensors to create or update a model of its environment, and then use this model to infer the consequences of proposed actions. The subject will cover the use of internal sensors, such as those measuring odometry and location, and external sensors including those for touch, vision, and range finding.

CSCI446 Multimedia Studies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @300 level
or CSCI213 & INFO202
Co-requisites: None
Subject Description: This subject studies the creation and programming of digital media for multimedia applications. Multimedia systems combine images, graphics, sound and text to interactively communicate information. Each of these media has its own standards, algorithms and file formats. The foundations strand examines the principles of how media is created. The programming strand explores the programming of multimedia applications, using a multimedia applications such as QuickTime for Java. The practical strand explores the acquisition, encoding and editing of digital video and audio with professional tools, such as Final Cut Pro.

CSCI450 Software Engineering Requirements and Specifications

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: Software development can be viewed as an activity in which useful things are built to serve recognisable purposes. For software developers, these 'useful things' are a special kind of machine known as software systems, and the 'purpose' of these machines is to help solve problems in some application domain. This subject emphasises the importance of understanding the application domains that software systems interact with and the problems we try to solve in these domains. The subject focuses on writing explicit and precise descriptions known as: 1. Requirements - descriptions of application domains and the problems to be solved there; 2. Specifications - descriptions of the interface between the machine and the application domain. The subject addresses techniques used to record, elicit, and reason about these descriptions. The subject examines the approach to Requirements and Specification techniques taken by a range of systems engineering methodologies. The concepts of method engineering are introduced and the role of software tools to support this activity is discussed.

CSCI464 Computational Intelligence

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cp @ 300 level
Co-requisites: None
Subject Description: This subject introduces students to the basics of 'soft' computing. Primary focus will be on artificial neural networks, with some attention also given to genetic algorithms, (evolutionary computing), fuzzy logic and neurofuzzy expert systems. Several application areas will be discussed, primarily pattern recognition and/or classification.

CSCI466 Coding for Secure Communication

Autumn Wollongong On Campus
Credit Points: 6

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Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: This subject provides a fundamental understanding of information protection and efficient coding strategies that can be used to ensure correctness, security and authenticity of data. It uses entropy as the universal measure of information to analyse and explore fundamental bounds on the performance of secure and reliable storage and communication systems, and examine a range of coding schemes that form the main building blocks of such systems. It will include the following topics. i) redundancy in data and compression algorithms ii) efficient error control strategies for secure and reliable communication and storage systems; iii) coding methods for secrecy and authenticity.

CSCI471 Advanced Computer Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @300 level
Co-requisites: None
Subject Description: This subject provides a review of computer security. Topics include: digital signatures, elliptic curve cryptography, El Gamal public key methods, the Advanced Encryption Standard (AES), Security Standards, Security Evaluation Standards, Linear Cryptanalysis, Differential Cryptanalysis.

ECTE171 Introduction to Electrical Engineering Systems

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE101
Subject Description: ECTE171 aims to provide students with a general introduction to electrical, computer and telecommunications engineering. It will provide an introductory overview of engineering systems and signals; telecommunications engineering including the basics of a communications system, data communications and networks; computer engineering including the basics of computer systems, and digital circuits; electrical engineering including the basics of electrical energy systems. The subject will also provide an introduction to engineering management and practice. The practical component will involve introductory experiments within electrical, computer and telecommunications engineering. The seminar component will involve written and verbal presentations on topics within electrical, computer and telecommunications engineering.

ECTE172 Introduction to Circuits and Devices

Annual Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH142, MATH161 or MATH188
Exclusions: ECTE101
Subject Description: ECTE172 aims to provide students with an understanding of the behaviour of basic electrical devices and circuits as used in electrical, computer and telecommunication engineering. It will provide an introduction to electrical quantities and measurements, circuit analysis and electronic devices and circuits. The practical component will cover basic electrical measuring, recording and display instruments; characteristics and measurements of circuit elements and analogue circuits.

ECTE181 WWW Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE191
Subject Description: The aim of this subject is to provide students with a practical introduction to the World Wide Web and to a variety of tools useful in engineering the WWW. Topics covered will include: embedded servers; relevant standards; multimedia content and formats in use on the WWW, for example, MPEG, JPEG and ZIP compression formats; practical applications of compression; and modular level engineering of Java programs.

ECTE182 Internet Technology 1

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC196, ECTE196
Subject Description: This subject introduces students to the fundamentals of computer communications. These fundamentals are then used to outline the Internet Architecture, and describe its key components. Following this, the operation of the World Wide Web (WWW) will be detailed. Topics covered include packet switching, switched networks, layered protocols, Local and Wide Area networks, WWW operation, network components (e.g., routers), access technologies (e.g., modems). Laboratory exercises will illustrate key computer communications concepts.

ECTE202 Circuits and Systems

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: (ECTE101 or ECTE172) and (MATH142 or MATH162 or MATH188)
Co-requisites: MATH201 or MATH283
Exclusions: ELEC201, ELEC202
Subject Description: Topics covered will include: dependent sources; circuit analysis techniques; simple operational amplifiers circuit analysis; feedback; generalised and complex impedance; energy storage elements L, C; natural, forced and complete response of first and second order circuits; phasors; frequency response, Bode plots; Laplace Transform and Fourier series; and magnetically coupled circuits.

ECTE203 Signals and Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH283 or MATH201
Subject Description: The aim of this subject is to provide students with an introduction to Electrical Signals, Systems and Signal Processing. Topics covered include: Mathematical representation of Signals, Description and Analysis of Systems, Fourier series analysis, Fourier Transform Analysis of Signals and Systems, Sampling and the Discrete Fourier Transform, The Laplace Transform, Laplace Transform Analysis of

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Signals and Systems, The z- Transform, z-Transform Analysis of Signals and Systems. The laboratory component will involve practical investigation of the concepts introduced in lectures using Matlab.

ECTE212 Electronics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECTE101 or ECTE172
Co-requisites: ELEC202 or ECTE202
Exclusions: ELEC211, ELEC212
Subject Description: The aims of this subject are: to provide students with an opportunity to develop an understanding of electronic circuit design using operational amplifiers as the building blocks and with an ability to analyse circuits using conventional methods. Topics covered will include: the use of operational amplifiers in circuits, e.g., inverting and non-inverting amplifiers, small signal (unity bandwidth and gain-bandwidth product) and large signal (slew rate) frequency response of non-ideal operational amplifiers in inverting and non-inverting configurations; adders, filters/oscillators, instrumentation amplifiers, comparators, rectifiers, clippers, Analog to Digital and Digital to Analog circuits; the terminal characteristics of devices and their use in linear (amplifiers) and non-linear circuits, e.g., biasing and ac models (low and high frequency, characterising amplifiers, the Miller Effect and Miller Multiplier for the case of transistor circuits) for operational amplifiers and discrete circuit transistors, diodes/Zener diodes, transistors (MOSFETs, BJTs - including large signal Ebers-Moll Model); integrated transistor circuits for MOSFETs using active loads; combining devices into amplifiers, e.g., differential pairs, cascode and Darlington connections, Szlikai pairs, current sources and mirrors, push-pull; high frequency amplification and appropriate equivalent circuit models.

ECTE222 Power Engineering 1

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECTE101 or ECTE172
Co-requisites: ELEC202 or ECTE202
Exclusions: ELEC221, ELEC222
Subject Description: Topics covered include: Typical power system loads; basic structure of a power system; electric power generation; single and three phase systems. Power system equipment: transformers, switch gear and protection. Installation practice: voltage drops, power factor correction, tariffs, safety, earthing, protection equipment rating. Power quality: system disturbances, equipment susceptibility, improvement and instrumentation.

ECTE233 Digital Hardware 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ECTE150 or ECTE171 or ECTE195 or CSCI111 or CSCI114 or CSCI192
Co-requisites: None
Exclusions: ELEC231, ELEC233
Subject Description: Topics covered will include: combinational logic, simplification of logic expressions, Karnaugh maps; sequential logic, flip-flops, registers, clock, timing and synchronisation problems; sequential machines, Mealy and Moore machines, timing diagrams and state tables. Students will also be required to become proficient at writing simple programs for a microcontroller.

ECTE250 Engineering Design and Management 2

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: (ECTE150 or MGMT110) and (MATH142 or MATH162 or MATH188) or ECTE171 and (MATH142 or MATH162 or MATH188)
Co-requisites: ECTE202
Exclusions: ELEC250 and INFO202
Subject Description: This subject consists of a structured team design activity covering the first four phases of a product design cycle. Student teams will undertake the entire project using staff as 'costed' advisors. The team activity will be supplemented by lectures covering such areas as language and communications, teamwork, an introduction to key project management design and development activities, including management concepts and tools to enable Engineers to effectively manage the design and development aspects of both a project and its associated activities.

ECTE281 Embedded Internet Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECTE101 or ECTE172 or ECTE191 or ECTE196 or ECTE182
Co-requisites: None
Subject Description: The aim of this subject is to provide students with an understanding of the concepts and typical applications of embedded internet real-time systems. In addition, the methodologies and tools used to design and develop embedded internet real-time systems will also be covered. The subject will cover Web servers in embedded systems, embedded system configuration, real-time embedded databases, design for embedded internet, wireless embedded internet systems including WAP and Bluetooth technologies.

ECTE282 Internet Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ECTE101 or ECTE172 or ECTE196 or ECTE182
Co-requisites: None
Subject Description: This subject will examine Internet protocols, technologies and performance issues. In particular, the link layer technologies that underpin the Internet will be considered. Topics will include: TCP/IP, IP Addressing, Address Resolution Protocol (ARP), Asynchronous Transfer Mode (ATM), Ethernet, Gigabit Ethernet, Frame Relay, Congestion Control/Flow Control. The role of various standards bodies, e.g., Internet Engineering Task Force (IETF) and the International Telecommunications Union (ITU), will be examined. Laboratory exercises will illustrate the operation of key Internet protocols.

ECTE283 Internet Technology 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECTE101 or ECTE172 or ECTE196 or ECTE182

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Co-requisites: None
Subject Description: This subject examines recent Internet developments, particularly in access systems, quality of service deployment and scalable architectures. Emerging applications, such as Internet Telephony and Universal Multimedia Access (UMA) will be studied in depth, as well as the protocols that underpin them (e.g., routing, coding). Topics will include: OSPF, BGP4, Mobile IP, Integrated Services, Differentiated Services, Wireless Access Protocols, Simple Network Management Protocol (SNMP), Media Coding Schemes, RSVP, H.323 and SIP. Advanced laboratory exercises will illustrate the operation of various internet protocols.

ECTE290 Fundamentals of Electrical Engineering

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH141 or MATH161 or MATH187
Co-requisites: PHYS142 or PHYS143
Exclusions: ELEC290
Subject Description: ECTE290 is offered as a servicing subject to students undertaking Bachelor of Engineering Degrees within the Faculty of Engineering. The aim of this subject is to provide students in other Engineering disciplines with an introduction to some basic concepts of electrical circuits, electrical measurements, instrumentation, data logging, and heavy current devices.

ECTE301 Digital Signal Processing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 1 subjects or equivalent, ECTE203
Co-requisites: None
Exclusions: ELEC301
Subject Description: Topics covered include: review of discrete-time signals and linear time-invariant systems; digital processing of continuous-time signals; introduction to random signals, correlation and matched filtering; FIR and IIR Digital filters and their analysis in the z- and in frequency domains; the DFT (discrete Fourier transform) and its applications; FFT algorithms; FIR and IIR digital filter design and implementation techniques; spectrum analysis and estimation using windows; and practical applications of DSP algorithms.

ECTE323 Power Engineering 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 1 subjects or equivalent, ECTE222 or MATH201 or MATH283
Co-requisites: None
Exclusions: ELEC322
Subject Description: Topics covered will include: induction and dc machines; elements of electric motor drives; power electronics.

ECTE331 Embedded Java Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 1 subjects or equivalent, CSCI124 or CSCI192
Co-requisites: None
Subject Description: The primary aim of this subject is to enable students to deploy Java for programming of embedded systems, both with and without user interfaces. The subject will consider Java (both Micro and Standard Editions) for embedded systems. In particular, material will address embedded devices, such as mobile phones, and internet aware microcontroller systems. The subject initially familiarises the students with the fundamentals of programming in Java, using appropriate IDEs (e.g., Eclipse and NetBeans) and tools such as ANT. It then introduces the application of Java in embedded systems concentrating on the use of J2ME and J2SE on systems that do not support the full J2SE, e.g., real-time Java enabled platforms such as TINI boards and MIDP 2.0 devices. A laboratory will provide students with guided experiments that investigate the limitations and opportunities of Java programming on restricted user devices and platforms.

ECTE333 Digital Hardware 2

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 1 subjects or equivalent, ECTE233
Co-requisites: None
Exclusions: ELEC332, ELEC333, CSCI334
Subject Description: Topics covered will include: computer architecture, central processing unit, memory (ROM and RAM), input/output devices; basic computer organisation, binary data and instruction codes, machine and assembly languages - instruction set, direct and indirect addressing; building computer systems from commercially available parts such as micro-processors and micro-controllers, static and dynamic memory, A/D and D/A converters, digital I/O, and serial communication integrated circuits. Students will also be required to become proficient at interfacing a micro-controller with digital hardware and writing programs to control the hardware.

ECTE344 Control Theory

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 1 subjects or equivalent, ECTE202 and (MATH201 or MATH283)
Co-requisites: None
Exclusions: ELEC343, ELEC344
Subject Description: Topics covered will include: mathematical modelling of physical systems; signal flow and state space representation of systems; steady state and transient analysis; root locus; frequency response analysis using Nyquist and Bode; design of PID, lag, lead, controllers using Bode and root locus methods; multiloop control.

ECTE350 Engineering Design and Management 3

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 1 subjects or equivalent, ECTE250 or ENGG154
Co-requisites: 15 credit points at 300-level ECTE subjects
Exclusions: ELEC350 and ECTE371
Subject Description: The aim of this subject is to provide students (in teams) with the opportunity to undertake a significant product development exercise, from target specification through to product launch. The emphasis is on the technical achievements of the team project. Student teams will undertake the entire project using staff as 'costed' advisors. The team activity will

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be supplemented by lectures covering such areas as an introduction to key implementation activities, including management concepts and tools to enable Engineers to effectively manage the critical implementation aspects of projects; social and ethical considerations; psychology/ergonomics; and engineering test methodology.

ECTE363 Communication Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ECTE203
Co-requisites: MATH201 or MATH283 or STAT131
Exclusions: ELEC361, ELEC363
Subject Description: The aim of this subject is to provide students with an understanding of the basics of modern communications systems. Topics covered will include: base-band signalling, including transmission through band-limited channels; band-pass signalling, including digital modulation techniques.

ECTE364 Data Communications

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH122 or MATH142 or MATH162 or MATH188 or STAT131
Co-requisites: None
Exclusions: ELEC362, ELEC364
Subject Description: Topics covered will include: basics of data communications; fundamentals of computer networks; fundamentals of information theory; error correction techniques; parallel and serial communications; packet switching; layered protocols; network types and topologies (fixed and wireless); access protocols and source coding.

ECTE365 Communication System Modelling

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: ECTE364
Subject Description: There are four main aspects of this subject: (i) Modelling techniques and optimisations, including linear programming and heuristics; (ii) Principles of Simulation, including system modelling, performance evaluation, and error sources in simulation; (iii) Markov Modelling, including definition of a discrete Markov process and its application in describing random sequence of events in communication systems; and (iv) Introduction to Queueing Theory, including exponential distribution, Poisson distribution, M/M/1 queues and Little's formula. The practical will include design and simulation of a simple communication system using an appropriate simulation package (such as MATLAB/Simulink).

ECTE391 Internet Technology Project

Not on offer in 2008
Credit Points: 6
Pre-requisites: INFO202 and WAM of > 70 at the end of Year 2 full-time.
Co-requisites: None
Subject Description: ECTE391 requires students to work on individual projects that may involve some background reading and analysis, the development of hardware and/or the development of software. It will involve weekly tutorial sessions; a seminar presentation and report writing. The aim of this subject is to provide an opportunity for students who have achieved the required pre-requisite to undertake an individual project and develop their initiative.

ECTE392 Wireless Internet

Not on offer in 2008
Credit Points: 6
Pre-requisites: ECTE291 or ECTE282
Co-requisites: ECTE364
Exclusions: ECTE465
Subject Description: The aim of this subject is to provide students with the knowledge to evaluate current and emerging trends in wireless networks in relation to the Internet. The following topics will be covered: wireless local area networks, personal area networking, mobility in the internet, wireless access protocols, internet in second and third generation mobile networks.

ECTE401 Multimedia Signal Processing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE301
Co-requisites: None
Exclusions: ECTE403, ECTE405
Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in ECTE301 Digital Signal Processing. The contents consist of applying digital signal processing to practical applications including speech, audio, image and video processing.

ECTE402 Optimum Signal Processing

Not on offer in 2008
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE301
Co-requisites: None
Exclusions: ECTE404
Subject Description: The aim of this subject is to provide students with a basic understanding of design and analysis of stochastic and adaptive signal processing algorithms. Topics covered include: random variables, signals and vectors, correlation and covariance matrices and their properties, autoregressive (AR), moving average (MA) and autoregressive moving average (ARMA) signal models, whitening filter and innovation process, modern power spectrum estimation techniques including parametric methods, minimum variance spectral estimation, and eigenalysis algorithms (MUSIC and ESPRIT), linear prediction, maximum likelihood and MSE estimation, Wiener and Kalman filters, the LMS algorithm and adaptive filtering.

ECTE403 Image and Video Processing

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC301 or 311 or ECTE301
Co-requisites: None
Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in ECTE301 Digital Signal Processing 1. The contents will consist of: applying digital signal processing in image and video processing applications.

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ECTE404 Adaptive Signal Processing

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC301 or 311 or ECTE301
Co-requisites: None
Exclusions: ELEC403
Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in ECTE301 Digital Signal Processing 1. The contents will consist of: applying digital signal processing in adaptive signal processing (echo cancellation, channel equalisation, etc.) applications.

ECTE405 Speech and Audio Processing

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC301 or 311 or ECTE301
Co-requisites: None
Exclusions: ELEC403
Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in ECTE301 Digital Signal Processing 1. The contents will consist of: applying digital signal processing in speech and audio processing applications.

ECTE411 AC-Sourced Power Electronics

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC323 or 322 or 323 or ECTE323
Co-requisites: ELEC313 or 311 or ECTE313
Exclusions: ELEC411
Subject Description: Topics covered in this subject include: ac-sourced power electronics devices and their main applications, ac to dc power conversion and its industrial applications, ac voltage controllers, high power conversion in electric power utilities, harmonics and current research developments.

ECTE412 Power Electronics and Drives

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent
Co-requisites: ECTE344
Exclusions: ECTE411, ECTE425
Subject Description: The aim of this subject is to provide students with an understanding of power conversion circuits using modern power switching devices and their application to equipment supplies and the control of electric drives. Topics covered include: power switching devices and their application, dc-dc converters, ac-dc converters, including switch-mode power supplies, dc-ac conversion using inverters, methods of pulse width modulation, selection of motors for industrial applications, and the design of closed loop speed control systems for dc and ac motors.

ECTE413 Micro-Electronics

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC313 or 311 or ECTE313
Co-requisites: None
Subject Description: The aim of this subject is to extend the electronics knowledge gained in ECTE313 Electronics. Topics covered will include: theory of operation of BJT and FET devices; the use of FET devices in analogue and digital circuits; CMOS logic family; oscillators; high frequency amplifiers; VLSI design techniques; gate arrays; programmable logic devices; memory cells. The practical component will consist of using Electronics Simulation Packages to (a) model circuits and examine their behaviour; (b) perform a logical design, (c) program the design into a programmable device and test its performance.

ECTE421 Power Quality

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ECTE222
Co-requisites: ECTE301
Subject Description: This subject will study the different types of systems which can propagate in the electric power supply, their origins and their effects on sensitive equipment such as computers, telecommunications systems, PLCs and variable speed drives. The disturbances include harmonics, voltage sags, capacity switching transients, voltage unbalance, etc. Topics discussed will include: the ability of equipment to emit disturbances, its susceptibility, industry standards and design techniques to ensure standards are met.

ECTE422 Power Quality Monitoring

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC323 or 322 or ECTE323
Co-requisites: None
Subject Description: This subject will treat measurement techniques and waveform interpretation relevant to the operation of sensitive equipment with a non-ideal power supply. The different types of waveform disturbances and their characterisation will be discussed, such as harmonics, inter-harmonics, flicker and voltage sag. Relevant standards for signal analysis will be examined and their approach justified. There will also be a treatment of transducers.

ECTE423 Power System Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE222
Co-requisites: None
Exclusions: ECTE424
Subject Description: The aim of this subject is to provide students with an understanding of the advanced techniques required for power systems calculations and analysis. Topics covered in this subject include: an introduction to power systems comprising thermal and hydro power stations, transmission lines and distribution systems, computer applications in power systems planning, design, control and operation, review of basic analysis tools, reactive power management, load flow and fault analysis, and transient stability.

ECTE424 Power System Abnormalities

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ECTE222
Co-requisites: None

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Subject Description: Topics covered include: reliability concerns, insulation requirements and protection methods of energy systems. The design aspect of energy systems for reliable and economical energy supply, internal and external overvoltage protection of energy systems and terminal equipment, stability limits of energy systems and the application of electromagnetic transient programs (EMTP) for insulation co-ordination will be discussed.

ECTE425 Industrial Drives and Actuators

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ECTE222
Co-requisites: ECTE344
Subject Description: Topics covered in this subject include: selection of dc, ac motors (induction and/or permanent magnet) and actuators for industrial applications and the design of closed loop speed control systems for dc and ac motors. In ac motor control, field orientation will be given particular emphasis.

ECTE426 Power Distribution Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE222
Co-requisites: None
Exclusions: ECTE421
Subject Description: The aim of this subject is to provide students with an understanding of the design concepts and operation of electrical power distribution systems relevant to the electrical utility industry and industrial plants containing large power distribution applications. Topics covered in this subject include: an introduction to distribution system planning and automation, load modelling and calculations, system equipment modelling and selection, protection and insulation coordination, power quality and system load interaction, design of radial systems, voltage control, capacitor applications, earthing and reliability.

ECTE431 Real-Time Computing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent,
Co-requisites: None
Exclusions: ECTE491
Subject Description: Requirements and specification methods in real time systems, software design, development and testing cycle, timing analysis of real-time systems, classical problems, pre-emptive scheduling of periodic tasks, non pre-emptive scheduling, intractability results, resource allocation, hybrid real-time/non-real-time models, distributed real-time systems, fault tolerant systems.

ECTE432 Computer Architecture

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE333
Co-requisites: None
Exclusions: ECTE491
Subject Description: The aim of this subject is to provide students with the knowledge of current computer architecture and the skill to design and interface an RISC processor. The topics covered include processor data path and control, CPU architecture, performance issues, enhancing performance through pipelining, memory hierarchy, Cache, DMA, Buses and other connections, interfacing I/O devices and I/O performance measurements.

ECTE433 Embedded Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE333
Co-requisites: None
Subject Description: The subject will examine the key properties of software, firmware, and hardware systems in the embedded, resource constrained, mobile, and highly distributed world. It will explore topics, including embedded processors instruction sets, performance and power consumption, the embedded computing platform, program analysis and design, embedded processors and operating systems, hardware accelerators, networks for embedded systems, and systems-on-silicon.

ECTE441 Intelligent Control

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, MATH201 or MATH283
Co-requisites: None
Exclusions: ECTE492
Subject Description: This subject will review the latest control techniques used where the system is poorly known or changing with time or conditions. Methods examined in detail may include: fuzzy systems, neural networks, adaptive control, crisp and neuro fuzzy control.

ECTE442 Computer Controlled Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE344
Co-requisites: None
Subject Description: This subject provides the knowledge and skills required to model, analyse and design computer controlled systems in the z-domain and discrete-time. The contents will consist of: discrete time state space modelling of systems, stability analysis in state space, controllability and observability, pole placement design and state feedback, state observer design and predictive control.

ECTE443 Digital Control

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC344 or 343 or ECTE344
Co-requisites: None
Exclusions: ELEC443
Subject Description: This subject provides the knowledge and skills required to model, analyse and design computer controlled systems in the z-domain. The contents will consist of: Impulse sampling, stability analysis in the Z-domain, root locus analysis and design in the Z-domain, W-transformation, frequency response analysis and design in the Z-domain and current research developments.

ECTE444 Identification and Optimal Control

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC344 or 343 or ECTE344

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Co-requisites: None
Exclusions: ELEC444
Subject Description: The subject provides the knowledge and skills required to identify the model of a system and optimise its performance. The contents will consist of: system identification using the least square method and quadratic performance index; quadratic optimal control; Kalman filters; and applications of genetic algorithms in system identification and optimal control.

ECTE457 Thesis

Annual Wollongong On Campus
Credit Points: 18
Pre-requisites: All subjects to the end of Year 3 or equivalent
Co-requisites: 18 credit points at 400-level or CSCI311 and 12 credit points at 400-level
Exclusions: ELEC457
Subject Description: ECTE457 requires students to work on individual projects which may involve some background reading and analysis, the development of hardware, the development of software, or an experimental program. It will involve weekly tutorial sessions; presentation of seminars; and writing of reports. The aim of this subject is to provide an opportunity for students to undertake a major engineering project and develop their initiative.

ECTE461 Telecommunications Queueing Theory

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469
Co-requisites: None
Exclusions: ELEC460
Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including analysis of delay and loss queueing systems, undertake Markov modelling and analysis, and calculate blocking probabilities of telephone switching equipment. Topics covered will include: queueing theory, Markov chain analysis, throughput and congestion analysis, Erlang and Engset distributions, blocking probability and overflow traffic.

ECTE462 Telecommunications System Modelling

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469
Co-requisites: None
Exclusions: ELEC460/ECTE962
Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including skills to analyse and dimension telephone exchanges, trunk lines, Internet switches and circuit and packet switched networks. Topics covered will include: telephone and data networks and systems, mixed voice and data queueing systems, optimal capacity allocation, direct and alternate routing.

ECTE463 Transmission Systems

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC363 or 361 or ECTE363
Co-requisites: None
Exclusions: ELEC463
Subject Description: Topics covered include: Maxwell's equations, wave propagation in transmission lines, the Smith chart, wave guides and optical fibres. The aim of this subject is to provide methods of characterising distributed passive transmission media such as transmission lines, wave guides, and fibre optics.

ECTE464 Antennas and Propagation

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC363 or 361 or ECTE363
Co-requisites: None
Exclusions: ELEC463
Subject Description: Topics covered include: wave propagation in the air and signal radiation and antennas. The aim of this subject is to provide methods of characterising antenna systems for use in communications.

ECTE465 Wireless Communication Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE363, ECTE364
Co-requisites: None
Exclusions: ECTE464, ECTE466, ECTE467
Subject Description: The aim of this subject is to provide students with an understanding of the systems used in wireless communications. Topics covered include: the regulatory environment, electromagnetism fundamentals, antennas and antenna systems, near earth propagation, the multi-path propagation environment, multi-user communications in wireless systems, Medium Access Control and mobility management mechanisms. Case studies will also be undertaken.

ECTE466 Spread Spectrum Communications

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC363 or 361 or ECTE363
Co-requisites: None
Subject Description: The aim of this subject is to teach students the theory and highlight the major problems involved in application of spread-spectrum communications. The contents will consist of: basic spread-spectrum techniques, principles of code division multiple access (CDMA), design of spreading sequences, and detection techniques for CDMA. The taught concepts will be illustrated by examples of existing spread-spectrum communication systems.

ECTE467 Mobile Networks

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469
Co-requisites: None
Subject Description: The aim of this subject is to provide students with the knowledge to evaluate current and emerging mobile networks. Topics covered will include: analogue and digital mobile networks, roaming

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in mobile networks, GSM standards and principles, GSM network structure, call hand-over analysis, mobility in the Internet, emerging third generation mobile networks.

ECTE468 Error Control Coding

Not on offer in 2008
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE363
Co-requisites: None
Subject Description: The students will be introduced to information theory and the use of coding in a communications application in the presence of noise and other channel degradations (fading and multipath). Different coding techniques will be considered such as forward error correction techniques, including linear codes, cyclic codes, block codes, convolutional codes, turbo codes and sparse codes related to the theoretical Shannon limit. Case studies will be used to illustrate common error coding techniques. A laboratory component will illustrate concepts associated with error coding techniques.

ECTE471 Robotics and Flexible Automation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, MATH201 or MATH283
Co-requisites: None
Exclusions: ECTE472, ECTE494
Subject Description: The subject provides the knowledge and skills required to design appropriate robotic systems for flexible automation, including the modelling, analysis, design, and deployment of a robotic manipulator and its associated sensory systems. The contents will consist of: Industrial robots, as a component of automation, mathematical modelling of a robotic arm, direct and inverse kinematics model, direct and inverse dynamic model, trajectory planning, control systems for industrial robots, tactile sensors, force sensors, ultrasound sensors, computer vision and other sensors.

ECTE472 Robotics Sensory Control

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC344 or 343 or ECTE344
Co-requisites: ELEC313 or ELEC311 or ECTE313
Exclusions: ELEC473, ECTE494
Subject Description: This subject provides the knowledge and skills required to design appropriate sensors for the intelligent operation of robotics systems. Topics covered include: intelligent operation of robots, industrial vision, hand-eye control of a robot, tactile sensors, force sensors, ultrasound sensors, and other sensors.

ECTE481 Internet Protocols

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469
Co-requisites: None
Subject Description: This subject will provide students with an understanding of protocols used in the computer networks. Examples will be drawn from existing networks including the Internet. Students will learn what computer network protocols are and how they work today, and how they are likely to evolve in the future. Topics to be studied will include: LAN medium access control protocols, congestion/flow/error control, routing, addressing, and internetworking. There will be both written and programming assignments, including a project involving the design and implementation of an exemplar protocol.

ECTE482 Network Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Year 2 subjects or equivalent, ECTE364
Co-requisites: None
Exclusions: ECTE481, ECTE483, ECTE484, ECTE485, ECTE486
Subject Description: ECTE482 will consider large scale IP networks. In addition to considering architectures and protocols, a key focus will be the development of analytical techniques to assist the design and performance monitoring of these networks. Topics will include ISP architectures, BGP routing, Mobile IP, IP QOS, MPLS, ATM, Multimedia applications, Peer to Peer networking and Network Management.

ECTE483 Computer Networking

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent
Co-requisites: None
Exclusions: ELEC364, ECTE364
Subject Description: The aim of this subject is to provide students with an understanding of the techniques that are used to provide communication between computer systems. Topics covered will include: modems, addressing, routing, interworking and congestion control in computer networks.

ECTE484 Network Design and Analysis

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC364 or ECTE364 or ECTE485/483 or ELEC362 or ELEC469
Co-requisites: None
Subject Description: The aim of this subject is to provide students with the engineering skills to analyse multi-service packet switched networks and systems. Topics covered will include: simulation and numerical techniques in queueing, software tools for analysis of queueing systems and networks, queueing performance analysis of Internet, ATM and mobile multi-service networks.

ECTE485 Internet Communications

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent
Co-requisites: None
Exclusions: ELEC364, ECTE364
Subject Description: The aim of this subject is to provide students with an understanding of the techniques that are used to provide communication between computer systems. Topics covered will include: layered protocol architectures, circuit and packet switching, asynchronous and synchronous transmission, coding, error detection and correction and flow control.

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ECTE486 Telecommunications Network Management

Not on offer in 2008
Credit Points: 3
Pre-requisites: Year 2 subjects or equivalent, ELEC363 or 361 or ECTE363
Co-requisites: None
Exclusions: ELEC468
Subject Description: The aims of this subject are to provide students with an understanding of the technical issues of telecommunications management and to provide practical hands-on experience of network configuration and management systems. Topics covered will include: private and public communications systems; LANs and SNMP; general management issues; and international standards.

ECTE492 Intelligent and Optimal Control

Not on offer in 2008
Credit Points: 6
Pre-requisites: ELEC343 or 344 or MECH365 or ECTE344
Co-requisites: None
Exclusions: ELEC441/444, ECTE441/444
Subject Description: The subject provides the knowledge and skills required to analyse and design a system using intelligent methods and optimise its performance. The contents will consist of: introduction to fuzzy systems and artificial neural networks, crisp fuzzy, adaptive fuzzy and neuro-fuzzy control systems; system identification using the least square method and quadratic performance index; quadratic optimal control; Kalman filters; and applications of genetic algorithms in system identification and optimal control.

ENGG291 Engineering Fundamentals

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide students from disciplines such as Electrical, Telecommunications and Computer Engineering with an introduction to some other Engineering disciplines which have an important role in the design and application of electrical and computer technologies. Three main areas are covered. Heat Transfer- Conduction, convection and radiation heat transfer as applicable to the field of electrical engineering. Engineering Mechanics- Forces, moments and equilibrium states; stress in beams, cylinders and shafts; simple deflection analysis. Materials Engineering- Overview, of engineering materials; bonding and crystal structure in electrical and electronic materials; origin of electrical and electronic properties; structure and properties of electrical and electronic materials; selection of materials for application in electrical engineering.

IACT201 Information Technology and Citizens' Rights

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @100 level
Co-requisites: None
Subject Description: This subject covers the body of ideas and commonly held principles that broadly apply to ethical behaviour in the information technology environment. IACT201 will examine the social and ethical implications of information technologies as they apply to citizens and information technology professionals. It will present legal, regulatory, social and ethical perspectives on the use of such technologies through topics of intellectual property, privacy, networking, security, reliability. The inclusion of a professional ethics is to prepare students for careers in the information technology industry. The extent to which technological advancements have altered societal expectations is also examined.

IACT202 The Structure and Organisation of Telecommunications

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: IACT101 OR CSCI102 or CSCI111 or CSCI114
Co-requisites: None
Exclusions: ISIT105
Subject Description: The aim of the subject is to provide students with an introduction to the technologies and regulatory structures which constitute the modern telecommunications system. Under regulatory components, the variety of telecommunications services and related regulatory concepts and structures are discussed. Under technological components, the following issues are dealt with: telecommunications standards; new network services; and basic components of the telecommunications system such as the public switched network, the radio frequency spectrum, mobile telephony and satellites.

IACT301 Information and Communication Security Issues

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: IACT201
Co-requisites: None
Subject Description: This subject will examine current controls, both legislative and technical, aimed at maintaining data integrity, ease of access to information, and protection of ownership, in the light of on going developments in computer security, multimedia communications, international electronic networks, and electronic publishing. The subject will cover communication security; issues relating to the monitoring of international agreements; OECD guidelines for security of information; maintaining privacy provisions; password security; and future IT developments and their implications for monitoring intellectual property rights and communication security.

IACT302 Corporate Network Planning

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: IACT202 or ELEC211 or ELEC212 or ECTE211 or ECTE212 or ECTE282 or ECTE283
Co-requisites: None
Subject Description: This subject explores telecommunications network planning from a strategic perspective. Topics covered will include: (1) Fundamental Networking Concepts: standards, protocols, architectures and technologies (2) Fundamental Data Networking Concepts: network topologies, network devices, wireless networking, security and applications (3) Fundamental Voice

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Networking Concepts: history, network classifications, the telephone system and voice communications, architectures, cellular networks (4) Convergence Of Voice And Data In Telecommunications: frame/cell relay, broadband networks, emerging technologies

IACT303 World Wide Networking

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: IACT101 or CSCI102 or CSCI213 or BUSS110 or CSCI111 or (CSCI114 & CSCI103)
Co-requisites: None
Subject Description: This subject investigates topics such as the following within the context of world wide networking: Web Technologies & Protocols; Software Development and Quality Assurance for Web Applications; Network Security; Client-side and Server-side Practical Tools for the Web; Local and International Web-based Policy and Practice in Education, Business and Government; Content Management for the Web; Current Legal Issues and the Web; and Web Services. Emphasis will be placed on group work with students required to participate in problem solving communications tasks. Web based activities will be an essential element in the conduct of this subject. Other activities may include: the running of a bulletin board or Internet mailing list or the maintenance of a World Wide Web site.

IACT304 Principles of eBusiness

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 cp at 200 level in IACT or CSCI or ITCS
Co-requisites: None
Exclusions: ITCS938
Subject Description: This subject aims to provide students with an understanding of eBusiness fundamentals. Today most businesses compete in a global environment and a sound strategy for online business is essential to facilitate this. This subject covers key areas of eBusiness, including: business-to-consumer, business-to-business and business-to-government electronic commerce (EC); online business models and electronic payment systems (EPS) and EC technology basics. Standards, regulation and policy, security and social and economic issues will also be considered in the contexts of business Intranets, Extranets and the Internet. The subject also provides an introduction to the 'Patterns for eBusiness' approach to eBusiness analysis and design.

IACT305 eBusiness Technologies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ITCS201 & 6cp of 200 level IACT or ITCS201 & 6cp of 200 level CSCI or ITCS206 And 6cp of 200 level CSCI
Co-requisites: None
Exclusions: ITCS938 or ISIT938
Subject Description: The subject explores the technology being adopted by organisations and the various means of maximising business potential using Internet technology, including eBusiness (B2B, B2C, B2G etc.). The focus of the course is from the IT professional perspective, giving the student a feel for what is required in a commercial business environment. The technology aspects will cover both developing in house software, as well as selecting 'best practice' outsourced options. Comparisons are drawn between the two adoption methods, and the student is engaged by scenario role playing as part of the group assignments.

IACT401 IT Strategic Planning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Exclusions: IACT901
Subject Description: The subject is essentially about the application of technology for competitive advantage. Throughout the subject, the spotlight will be trained on techniques and frameworks for 'thinking strategically about a company's technological orientation'. A wide spectrum of business and technology issues will be covered that address the problems and issues surrounding the analysis and development of an IT strategic plan.

IACT402 Applied Project Management

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: IACT402 deals with the efficient management of a medium size project to ensure that a project meets deadlines and is within its budget. It covers the process of planning, directing and controlling the development of an IT project. Topics covered will include project management tools, software and techniques; expectations management matrices; and use of people management (the subtle art of delegation and accountability). Students will test the principles on the plan, design and implementation of a medium size project.

IACT403 Human Computer Interface

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Exclusions: CSCI324, IACT931, MCS9324
Subject Description: This subject examines the design evaluation and implementation of interactive computing systems for human use (HCI) and the major phenomena surrounding them. Also considered are joint performance of tasks by humans and machines, structure of human machine communication, social and organizational interactions with machine design, human capabilities to use machines including their learnability as well as algorithms and programming of the interface itself, engineering concerns that arise in designing interfaces, the process of specification design and implementation of interfaces and design tradeoffs.

IACT404 International Telecommunications Policy Issues

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: IACT 404 provides students with an understanding of the policy issues relating to the emergence of political, economic and technological change in international telecommunications. The inter-disciplinary foundations of telecommunications

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policy are examined. Issues in the development of telecommunications policy in Australia and overseas are reviewed as well as the regulatory frameworks adopted by different countries (eg. Australia and the United States) and regions (eg. European Union and South East Asia).

IACT405 Information Technology and Innovation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: The rapid development of information technology networks has prompted governments to develop national policies to promote the growth of services in these areas. Innovation in information technology and its effective use is now seen to underpin international competitiveness. Successful innovation policies are now central to the future viability of industry and nations alike. This subject addresses key themes such as: the importance of innovation to the economy and the firm; the links between information, information technology and innovation; and, the development of effective national policies to promote industrial innovation. Issues such as the role of multinationals, transborder data flows and research and development are discussed in this context.

IACT406 Strategic eBusiness Solutions

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: IACT304
Co-requisites: None
Subject Description: This subject aims to provide students with an understanding of how to design integrated solutions for eBusiness using a pattern-oriented approach. Enterprises, both large and small, as well as government institutions, are increasingly becoming reliant upon eBusiness infrastructure. Knowing the strategic business and technology principles and practices related to the design process is becoming increasingly important for a given organisation. This subject will cover business scenarios including electronic data interchange (EDI), supply chain management (SCM), enterprise application integration (EAI), customer relationship management (CRM), sales force automation (SFA); and knowledge management systems (KM).

IACT416 Organisational Issues in Information Technology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: IACT416 aims to provide the student with an understanding of issues related to the combination of management, workers and information technology. Students will gain an appreciation of the complexity of the issues involved in decision making when people and technology are concerned. Students will also develop an understanding across commerce and industry of the parallels that exist in the development, implementation and application of information and communication technology. Effect on organisational information flows of growth in size and complexity: the management and technological response; Information technology as a catalyst in codifying work procedures and creating new organisational structures; Hierarchical versus horizontal approaches to information management; Management theory and IT; Industrial use of IT and parallels with office sector usage. Implications of broadband networks for traffic integration and subsequent application in commerce and industry.

IACT417 Information Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 cp @ 300 level
Co-requisites: None
Subject Description: This subject focuses on the importance of information as a resource, on which the knowledge base of successful organisations is dependent. While the main focus of the subject is information management within the organisation, a broader context is important. National and international issues relating to information access will be addressed. These include: standards relating to electronic storage and retrieval of electronic documents (digital archiving); legal protection for information as an economic good (for example as patents, copyright and other forms of intellectual property); and social and ethical issues (eg privacy and security) relating to information management.

IACT418 Corporate Network Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: The subject investigates the documentation and management of telecommunications networks. Topics to be covered include 1. Documenting the Network: requirements capture and specification, functional specification, design specification, documenting the network configuration 2. Managing the Network: influences on the network, management architectures and standards, performance management, fault management, disaster management, managing changes in a network, cost minimisation management 3. Corporate and Regulatory Requirements: management teams, operations and support, standards and protocols.

IACT419 Online Information Services

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: This subject examines the emergence of electronic information supermarkets and the changes in ownership that have taken place within the online information industry as mass media conglomerates have entered the field. Other aspects covered include: the role of government in the development of online databases and networks; the creation of 'value-added' products through re-formatting, marketing and electronic delivery of information; the future of public information sources such as libraries and government data collection and publication agencies in a changing online environment; and the potential of network developments in the delivery of online information resources. Students will be required to use some electronic information services including Australian and International databases and other online information resources.

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IACT422 Case Studies in Information Technology Applications

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: IACT422 examines leading edge technological developments and the issues arising from the innovative uses of such technology. This subject covers innovative and new applications of information technology to create services and systems, eg electronic banking, video conferencing, multimedia, EDI and CD-ROM. In order to provide a thorough background and understanding of an application, normally only one case will be studied in the subject in any one semester. Cases that may be covered include, multimedia, EDI, EFTPOS, use of IT in supply chain optimization, management and execution or Location- Based Services (LBS). Subject content will engage students at different levels of understanding from strategic to technical.

IACT424 Corporate Network Design and Implementation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: The subject investigates the design and implementation of a telecommunications network plan. Topics to be covered include (1) The Need for Planning and the Planning Process: planning teams, strategic planning, the network plan, security planning and implementation planning. (2) The Design Process: design teams, translating the plan into design criteria, requirements capture and specification, design requirements and criteria, choosing topographies and architectures, evaluating plans (3) The Implementation Process: implementation teams, validating implementation plans, managing people and technology, managing the implementation process.

IACT426 Information Society, Knowledge Work and Information Technology

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: The subject examines the concept of 'information society' and its measurement. It also examines the changing structure of the workforce with an investigation of the place and role of knowledge workers in the labour force being a core element. An examination of the trends affecting knowledge workers in Australia, and internationally, with respect to increasing credentialism, life-long learning and issues relating to their education and training will be undertaken. The introduction and application of IT affects each of these areas is therefore another critical component of study.

IACT433 Special Topics in Telecommunications Issues

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: Topics will be selected from areas of interest of staff members or visiting staff members to the School in the area of telecommunications. IT is a rapidly changing area. This subject will allow investigation into topics at the forefront of the discipline.

IACT441 IT Research Methodology

Autumn Wollongong On Campus
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Credit Points: 6
Pre-requisites: WAM of 67.5 & approval from Head of School OR Where students articulating (via credit or advance standing) to UoW have completed less than 2 full-time sessions (i.e. 48cp) at UoW the entry requirement for IACT441 and thus BInfoTech (Hons), is: a GPA of prior qualification (weighted) + WAM for session completed at UoW.
Co-requisites: None
Exclusions: IACT451
Subject Description: IACT441 will cover the following topics on IT research methodology: What is Research (Purpose of thesis components); Research Methods; Literature Review - Critical Reading, Annotated bibliography and note taking; Survey Methods; Quantitative Methodologies (Results etc); Literature Review - Structure, Writing Up and Presentation Skills Satisfactory attendance at workshops is a requirement for the successful completion of this subject as is attendance at the Postgraduate Forum, held usually during week 8 of Autumn Session

IACT450 Research Report

Spring Wollongong On Campus
Credit Points: 18
Pre-requisites: a grade of 75% or better in IACT441
Co-requisites: None
Exclusions: IACT440
Subject Description: This is an Honours year subject of the BInfoTech degree, only available to students enrolled for honours by completing IACT441 at a grade of 75% or better. It is a research project conducted under the supervision of academic staff in the school.

IACT451 IT Project

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: IACT301 and IACT302 plus at least 12 credit points of 300 level subjects
Co-requisites: None
Subject Description: This subject is a group project, conducted under the supervision of an academic staff member(s). Staff members will propose real-world IT projects ranging from the selection and implementation of IT to the development and implementation of software systems. Involves: project planning, group coordination, seminars and individual presentations, research of proposed application domain, preparation of reports and, depending on the project, various system development methodologies. Students will form teams, each of which will design, implement and document a solution to one of the proposed projects. Teams will meet weekly with supervisors to discuss progress and problems.

INFO202 Project

Annual Wollongong On Campus
Credit Points: 6

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Pre-requisites: ECTE195 or CSCI111 or CSCI114 or ECTE171
Co-requisites: (CSCI213 or ITCS213 and ECTE291) or (CSCI213 or ITCS213 and ECTE282)
Exclusions: ECTE250
Subject Description: This subject consists of a structured team design activity covering the first four phases of the design cycle for a Web-based or IT product. Student teams will undertake the entire project using staff as 'costed' advisors. The team activity will be supplemented by lectures covering such areas as language and communications, teamwork, an introduction to key project management design and development activities, including management concepts and tools to enable IT Professionals to effectively manage the design and development aspects of both a project and its associated activities.

INFO301 Secure and Reliable Digital Communication

Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: 48 credit points at 100-level, including MATH121 or MATH187
Co-requisites: None
Exclusions: INFO412
Subject Description: INFO301 is a cross-disciplinary subject, and contains three inter-related modules: 1. Cryptography, Coding and Compression; 2. Social Issues in Modern Communications; and 3. Mathematics for Modern Communication. The subject introduces the technical and social issues underlying some representative digital communication technologies, focussing on the themes of secure and reliable communication. The technical issues include some of the mathematical, statistical, and algorithmic aspects of the technologies, while the social issues involve analysis of the associated legislative, privacy and ethical questions. The Maple computer algebra package will be used extensively as a tool with which to explore the technical issues.

INFO303 Advanced Project

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: INFO202, and WAM > 70 in level 200 subjects
Co-requisites: None
Subject Description: This subject provides an opportunity for more capable students to do a group multi-disciplinary project in an area related to internet science and technology. It will allow students to learn how to communicate with one another in teamwork, in collaboratively executive a large internet related project.

INFO401 Mathematics and Finance Honours Project

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: WAM greater than or equal to 67.5 after completing 144 cp of the course.
Co-requisites: None
Subject Description: This is a project conducted under the supervision of one or more relevant members of academic staff. The topic of the work is determined jointly by the student and supervisor.

INFO402 Mathematics and Economics Honours Project

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 12
Pre-requisites: WAM greater than or equal to 67.5 after completing 144 cp of the course.
Co-requisites: None
Subject Description: This is a project conducted under the supervision of one or more relevant members of academic staff. The topic of the work is determined jointly by the student and supervisor.

INFO403 Computer Bioinformatics Honours Project

Annual Wollongong On Campus
Summer 2007/Autumn 2008 Wollongong On Campus
Credit Points: 24
Pre-requisites: WAM greater or equal to 67.5 after completing 144cp of the course
Co-requisites: None
Subject Description: This is a research project conducted under the supervision of one or more relevant members of academic staff. The topic of the work is determined jointly by the student and supervisor.

INFO411 Data Mining and Knowledge Discovery

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 36 cp (Knowledge of mathematical and statistical notation at an introductory level.)
Co-requisites: None
Subject Description: Introduction to Data Mining and Knowledge Discovery, Data Bases and Warehouses, Data Structures, Exploratory Data Analysis Techniques, Association Rules, Artificial Neural Networks, Tree Based Methods, Clustering and Classification Methods, Regression Methods, Overfitting and Inferential Issues, Use of Data Mining packages.

INFO412 Mathematics for Cryptography

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Logic: informal propositional logic, circuit theory. Natural Deduction style proofs in propositional & predicate logic. Interpretations & Models. Nonclassical logics. Number Theory: elementary number theory, modular exponentiation, discrete logarithms, Galois arithmetic & polynomials, error correcting codes & cryptography. Elliptic curves, groups for cryptography. Combinatorics: combinatorial probability, Knapsack problem, network and graph theory, combinatorial designs, game theory & linear programming applied to cryptography.

INFO413 Information Theory

Not on offer in 2008
Credit Points: 6
Pre-requisites: MATH121 or MATH122 or (MATH187 and MATH188), or (MATH141 and MATH142).
Co-requisites: None
Subject Description: The following is a selection

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of topics which may vary. The idea of probability, entropy, inequalities involving entropy, data compression, Huffman and Fano codes, information sources, McMillan's theorem, communication and capacity, block codes, Shannon's theorems, applications to other areas which may include communication, linguistics, genetics and financial investment.

INFO433 Pattern Recognition

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 Credit points of CSCI subjects at 300 level
Co-requisites: None
Subject Description: This subject is designed to equip the student with an understanding of the fundamental tools required to analyse, design and implement pattern analysis and recognition systems. After a review of mathematical foundations the subject introduces data clustering, the statistical Bayesian decision theory, parameter estimation (Bayesian and maximum likelihood), linear discriminant functions, supervised and unsupervised learning.

ISIT100 Systems Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: BUSS211
Subject Description: This subject aims to introduce the student to the techniques and technologies of structured systems analysis. It examines the complementary roles of systems analysts, clients and users in life cycle development methods. Data flow analysis and process descriptions are introduced and the relation to object orientation examined. The student will make use of a Computer Aided Software Engineering (CASE) tool to document solutions to typical problems.

ISIT101 Web Programming 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS111 or CSCI111 or CSCI114 or ISIT111
Co-requisites: None
Exclusions: BUSS201
Subject Description: The aim of this subject is to provide students with a practical knowledge of user-centred application design using various visual programming concepts and techniques. The subject will provide students with the opportunity to understand and use the principles of user-centred design and computer-user interface design with visual programming tools and techniques and to understand and use the techniques of Joint Application Development and Rapid Application Development for visual program design. Students will learn to program visually utilising appropriate techniques in a commonly available visual programming environment.

ISIT102 Information Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: CSCI102
Subject Description: This subject establishes the position of Information Systems and Information Technology in a non-programming context. Areas introduced include Human-Computer Interface, Information Modelling, Intelligent Systems, Networks, Operating Systems, Software Design and Development and Professional ethics, rights and responsibilities.

ISIT105 Communications and Networks

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT202
Subject Description: The aim of the subject is to provide students with an introduction to the technologies and regulatory structures which constitute the modern telecommunications system. Under regulatory components, the variety of telecommunications services and related regulatory concepts and structures are discussed. Under technological components, the following issues are dealt with: telecommunications standards; new network services; and basic components of the telecommunications system such as the public switched network, the radio frequency spectrum, mobile telephony and satellites.

ISIT111 Programming Concepts

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with: CSCI111, CSCI124, BUSS111
Subject Description: The broad aim of this subject is to develop in students an understanding of the fundamental principles of programming as well as to develop skills in the design and implementation of well structured algorithms to a range of classical, business computing problems.

ISIT112 Database

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 6 credit points of BUSS100-level or CSCI100-level or ISIT100-level subjects
Co-requisites: None
Exclusions: BUSS212
Subject Description: This subject aims to provide a concise and modern treatment of introductory database topics that are useful for information systems professionals. The goal of this subject is to learn the fundamental database concepts including conceptual data modelling, the relational data model and relational algebra and develop skills in the design and manipulation of relational databases using Structured Query Language (SQL). The subject will also briefly introduce advanced database concepts and emerging database technologies.

ISIT114 Object Oriented Programming

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BUSS111 or CSCI111 or CSCI114 or ISIT111
Co-requisites: None

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Exclusions: BUSS214
Subject Description: The aims of this subject are to consolidate and extend student's knowledge and skills in structured programming and to introduce them to the concepts and practice of object oriented programming. To achieve this aim the subject will provide students with an opportunity to develop further programming skills and good coding style; develop skills in using the object-oriented concepts of inheritance, encapsulation, construction, access control, overloading and messaging; develop and display competency in the design and implementation of object-oriented programs to solve business problems.

ISIT351 Information Technology Project
Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: 24cp of ISIT200 level subjects
Co-requisites: None
Subject Description: This subject is a group project, conducted under the supervision of an academic staff member(s). Staff members will propose real-world IT projects ranging from the selection and implementation of IT to the development and implementation of software systems. Involves: project planning, group coordination, seminars and individual presentations, research of proposed application domain, preparation of reports and, depending on the project, various system development methodologies. Students will form teams, each of which will design, implement and document a solution to one of the proposed projects. Teams will meet weekly with supervisors to discuss progress and problems.

ISIT391 Special Topics in IS & IT A
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: BUSS391
Subject Description: In this subject students will undertake a study of research methods or other topic of current interest in Information Systems. Its purpose is to give final year students an opportunity to explore in depth, a current and advanced topics in Information Systems and/or Information Technology.

ISIT392 Special Topics in IS & IT B
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to provide the student with an understanding of topics at the forefront of the discipline. Topics will be selected from areas of interest of staff members or visiting staff members to the School. These will include topics in the application of information and communication technology.

ISIT403 Enterprise Architecture Design
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp of 300 level
Co-requisites: None
Subject Description: The principle purpose of architecture is to translate strategy into infrastructure. An architecture provides a blueprint for translating business strategy into a plan for IS. An infrastructure is everything that supports the flow and processing of information in an organization, including hardware, software, data, network components and their supporting staff and facilities from the application level to the inter-organisational level. This subject includes an exploration of enterprise architecture concepts, case studies and frameworks.

ISIT404 Systems Integration
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: This subject aims to provide students with a broad knowledge of integrating individual disparate information system into a seamless enterprise information system. The subject will examine system integration in various perspectives from social, corporate to technical solutions. The students will also study system integration in the context of middleware models, tools and techniques. The student will learn to implement system integration solutions by identifying sources of data, mapping information, selecting and applying appropriate technology for integrating a new enterprise information system into existing systems.

ISIT406 Information Design and Content Management
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp of 300 level
Co-requisites: None
Subject Description: This subject establishes a basis for understanding the role of information systems in organisations and how such systems relate to organisational objectives, structures and procedures. Using systems theory plus other social theories including activity theory, the topics covered will include: the system concept in an organisation, information flows and decision processes, techniques and skills in representing system structures and integration of information systems into the organisational structure.

ISIT408 IT Governance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp of 300 level
Co-requisites: None
Subject Description: Information Technology (IT) is pervasive in today's organisations, playing a critical role in achieving business goals and enabling lower cost structures, new levels of customer service, new products, new markets and new external stakeholders. Whereas in the past IT decisions were delegated to the IT organisation, all managers are today required of not only making better IT decisions, with confidence and competence, but also implementing and monitoring IT initiatives more effectively than their competitors. This course will explore IT governance theory and practice, including decision rights and internal control frameworks, to prepare students for the globally competitive workplace.

ISIT410 IT-enabled Supply Chain Management
Spring Wollongong On Campus
Credit Points: 6

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Pre-requisites: 24cp of 300 level
Co-requisites: None
Subject Description: Information technology (IT) enabled supply chains are transforming the modern business landscape. Lectures in this subject will show how IT is being used to create and support operational and strategic supply chain advantages. Laboratory activities will provide hands-on knowledge of the application of enterprise software (e.g., SAP), freight audit and payment software and how radio frequency identification (RFID) is being applied in supply chains around globe.

ITCS206 Markup Languages

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12cp @100 level
Co-requisites: None
Exclusions: ITCS201
Subject Description: XML (eXtensible Markup Language) can be regarded as a language for creating other languages. In this capacity XML has rapidly become ubiquitous in very many diverse areas of IT and is now regarded as an essential core area of knowledge for every IT practitioner. The primary aims of this subject are to enable students to acquire practical proficiency in exploiting XML and to be able to explain the relevance of XML for many IT and Business contexts. In addition to being a new area of study, by studying XML students can extend or re-enforce their understanding of related study areas, e.g., the students can develop their understanding of data modelling and object-orientation (via XML schemas and XML transformations). As a secondary aim (a minor but relevant part of the subject) the subject will provide a basic practical proficiency in manipulating HTML and hence construction of elementary web pages.

ITCS213 Java Programming & the Internet

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CSCI121 or CSCI124
Co-requisites: None
Subject Description: This subject provides: 1. an introduction to the Java language and some of its standard class libraries 2. experience with object oriented design and implementation techniques 3. an understanding of the Internet and its importance to modern software systems. Topics will include: Java language, subset of Java class libraries (windowing, graphics, networking, threads), object oriented design and implementation, Internet issues, basics of TCP/IP protocols, Web technologies, HTML and Javascript, CGI programming, introduction to security issues.

ITCS301 Exploiting Collaborative Technologies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 cp at 200 level in IACT or CSCI or ITCS
Co-requisites: None
Subject Description: Students learn how to practically exploit Collaborative Technologies within eBusiness contexts. The concepts of Collaboration and the details of Collaborative Technologies will be investigated and explained from different eBusiness perspectives including the eBusiness Solutions perspective and the Patterns for eBusiness perspective. Examples of focus will include collaborative tools and techniques to support Knowledge Management and to support eLearning within an eBusiness solutions framework. Collaboration patterns will include modern variants of traditional categories including contextual (asynchronous) collaboration and interactive (synchronous) collaboration. Includes a practical focus ie a laboratory component that explores working with advanced collaborative applications including (for example) QuickPlace, Virtual Classroom, .NET and various extensions to the J2EE (Java 2 Enterprise Edition) platform. The subject will exploit collaborative team approaches to practical assignments.

ITCS332 Web Design

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24cp @200 level
Co-requisites: None
Subject Description: This subject introduces students to the design and programming of multi-tier web sites, where dynamic pages present data from databases. Programming will be done with frameworks, such as Apple Web Objects to create web applications that support dynamic web pages and object models of databases. Topics include the design and creation of user process, site architecture, elegant page layouts and simple site navigation. Pages will be designed and content created with professional web tools, such as Adobe web tools. Emphasis is placed on user process, good media design, clean architecture and efficient algorithms.

ITCS429 Concepts and Issues in Healthcare Computing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Exclusions: ITCS929
Subject Description: This subject examines the essential concepts of health computing, limitations of technology, issues of privacy and security, economics of healthcare computing, managing healthcare computing projects, evaluation methods in medical informatics, risk assessment in health informatics and the important issues involved in computer applications in healthcare.

ITCS430 Introduction to Health Informatics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Exclusions: ITCS930 or ISIT930
Subject Description: The subject covers clinical decision making and decision support systems and how health informatics and health information systems can assist. Topics include decision-making and decision-support systems in healthcare; knowledge engineering in health informatics, the reasons for the necessity of systematically processing data, information and knowledge in medicine and healthcare; benefits and constraints of using information and communication technology healthcare systems; patient management; primary care systems and knowledge management.

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ITCS431 Advanced Web Application Development

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24cp @ 300 level
Co-requisites: None
Subject Description: This subject is an advanced web applications development subject utilizing the visual basic integrated development environment. Requirements analysis and component solution architectures for e-commerce applications will be studied and solutions implemented utilizing advanced features ofVB IDE. See Subject Outline for details

ITCS436 Detailed Design of Integrated Solutions for eBusiness

Not on offer in 2008
Credit Points: 6
Pre-requisites: IACT305 or CSCI399
Co-requisites: None
Subject Description: This subject develops the students' understanding of the system development process by taking the student through all the phases of analysis design and construction of an eBusiness solution. The methods adopted provide an in-depth understanding of the logistical problems associated with gathering user requirements, and analysis and design, using the 'Patterns for eBusiness' method.

ITCS450 Patterns for eBusiness

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 cp at 200 level of IACT or CSCI
Co-requisites: None
Exclusions: ITCS950
Subject Description: This subject explores advanced 'pattern-oriented' approaches to the design and development of eBusiness solutions. The 'Patterns for eBusiness' initiative provides a conceptual framework that can be exploited at all stages in the eBusiness software lifecycle. In particular, this conceptual framework and vocabulary bridges the communications gap between business analysts and systems developers seeking to devise integrated solutions for eBusiness.

ITCS451 Web Services for Dynamic eBusiness

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: IACT305 or CSCI399
Co-requisites: None
Exclusions: ITCS951
Subject Description: Web Services are at the core of what is being termed the next generation of eBusiness. The term 'Web Services' refers to the set of standard protocols and associated technologies that enable software applications to communicate with each other across the Internet. To effectively exploit the potential of Web Services requires appropriate effort in the proper design of business processes and service architectures.

MATH010 Enabling Mathematics for Engineers

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: HSC General Mathematics OR Yr 10 Advanced Mathematics
Co-requisites: None
Exclusions: Not to count with MATH151.
Subject Description: The subject covers the main topics which are taught in mathematics years 11 and 12 at school. The chosen topics are specifically those taken as assumed knowledge in the subjects MATH141 and MATH187. The general topic areas are: algebra, trigonometry, coordinate geometry, functions and calculus. The focus is on developing mathematical skills and improving competence and confidence in the language and terms of mathematics. Where possible the work will be related to potential engineering applications.

MATH110 Advanced Mathematics 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: HSC Mathematics Ext 2
Co-requisites: None
Subject Description: Several areas of maths: Algebra (involves solving systems of equation using matrix methods, determinants and applications); Vector geometry (involves the idea of vectors and applications to geometry) Polar coordinates; Calculus (involves solution techniques for first and second order differential equations).

MATH111 Applied Mathematical Modelling 1

Spring Loftus On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Either a mark of at least 80 in MATH151 OR (in the NSW HSC Examination) Mathematics Band 4; or Mathematics Ext 1.
Co-requisites: MATH188 or MATH142 or MATH162 or MATH110
Subject Description: Emphasises the physical, mathematical, numerical and computational aspects of the modern usage of Applied Mathematics in Science, Engineering and Industry. It is strongly recommended for the students who are majoring in Industrial and Applied Mathematics. Real-world problems are tackled as idealised mathematical systems, the mathematical problem is solved and the results interpreted.

MATH121 Discrete Mathematics

Autumn Loftus On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Either a mark of at least 80 in MATH151 OR (in the NSW HSC Examination) Mathematics Band 4; or Mathematics Ext 1.
Co-requisites: None
Subject Description: Students will be introduced to the spirit of mathematical inquiry and critical analysis, and encouraged to develop the ability to apply mathematical principles to the formulation and solution of problems. This is done through the use of non-calculus techniques, especially those of logic and number theory. This subject is well suited to computer science students.

MATH141 Mathematics 1C Part 1

Autumn Loftus On Campus
Autumn Wollongong On Campus
Credit Points: 6

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Pre-requisites: Either a mark of at least 65 in MATH151 OR in NSW HSC Examination: Mathematics - Band 2 or better.
Co-requisites: None
Exclusions: MATH101, MATH141, MATH161 and MATH187 are not to count together.
Subject Description: MATH141 is an alternative core subject for candidates whose HSC mathematics background is weaker than that required for MATH187. The aim of this subject is to develop ideas, concepts and skills in mathematics, especially applied skills, for application in later subjects. Main topics covered are matrix algebra, determinants, vectors, and differential and integral calculus.

MATH142 Mathematics 1C Part 2

Spring Loftus On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Either MATH141 or MATH161 OR a mark in the range 45 to 54 in MATH187
Co-requisites: None
Exclusions: MATH101, MATH142, MATH162 and MATH188 are not to count together.
Subject Description: MATH142 is a core subject continuing on from MATH141. The aim of this subject is to develop ideas, concepts and skills, especially applied skills, in mathematics for application in later subjects. Main topics covered are further calculus, differential equations, numerical mathematics, sequences and series of numbers and complex numbers. Students who do sufficiently well in MATH142 may proceed to relevant 200 level mathematics subjects.

MATH151 General Mathematics 1A

Autumn Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: NSW HSC Examination: any mathematics- but enrolment is not permitted if the student achieved Mathematics Band 4 or better, or completed Mathematics Ext 1 or Ext 2.
Co-requisites: None
Exclusions: Not to count with MATH010 or ECON222. Not to count with any one of MATH101, MATH141, MATH142, MATH161, MATH162, MATH187, or MATH188 unless satisfactorily completed prior to satisfactory completion of any of MATH101, MATH141, MATH142, MATH161, MATH162, MATH187, or MATH188 respectively.
Subject Description: MATH151 is intended for candidates registered for courses in the Faculty of Science who do not meet the pre-requisite for the subject MATH187. It introduces topics in algebra, trigonometry, co-ordinate geometry, vectors, functions, and calculus. The material is presented in a self-contained manner with a view to further applications in Science subjects.

MATH161 Mathematics 1E Part 1

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Either: NSW HSC Mathematics - no minimum mark restriction, OR a mark of at least 65 in MATH151.
Co-requisites: None
Exclusions: Not to count with MATH101, MATH141, MATH143, MATH144, MATH187.
Subject Description: Several areas of maths: Calculus which includes real functions, and an introduction to differentiation and integration; Polar co-ordinates; Algebra, which includes solving systems of equations using matrix methods, determinants and applications; and Vector Geometry, which involves vectors and their applications to geometry.

MATH162 Mathematics 1E Part 2

Summer 2008/2009 Wollongong On Campus
Credit Points: 6
Pre-requisites: Either MATH161 or MATH141 or MATH187
Co-requisites: None
Exclusions: Not to count with MATH101, MATH142, MATH143, MATH144, MATH188.
Subject Description: Several areas of maths: Calculus, which includes further integration, applications of integration, and first and second order differential equations; Complex Numbers; Further Calculus, which includes an elementary introduction to sequences and series and their convergence.

MATH179 Introductory Business Mathematics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH141 or MATH161 or MATH187
Subject Description: This course reviews the mathematical principles and tools that support many popular business techniques of analysis. These tools include: basic mathematical and algebraic concepts and operations, linear and quadratic equations, exponential and log functions, basic statistical methods in business and basic mathematics of finance. The second section of the course applies these mathematical and statistical tools to several commonly used tools of business analysis. These include including cost-volume-profit and break-even analysis, financial ratio analysis, financial analysis for interest based investments, annuities and perpetuities and project comparison and evaluation using net cash flows, net present value, ROI and IRR techniques.

MATH187 Mathematics 1A Part 1

Autumn Loftus On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Either a mark of at least 80 in MATH151 OR (in the NSW HSC Examination) Mathematics Band 4; or Mathematics Ext 1.
Co-requisites: None
Exclusions: MATH101, MATH141, MATH161 and MATH187 are not to count together.
Subject Description: The pair of subjects MATH187 and MATH188 make up the core for 100 level subjects. They are needed for most 200 level subjects in Mathematics and Applied Statistics. Students not wishing to proceed to 200 level mathematics may just study MATH187. MATH187 is available to students in all disciplines. This subject aims to develop ideas, concepts and skills in mathematics for application

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in subjects that require MATH187 as a co- or pre-requisite. Main topics are matrix algebra, determinants, vectors, and differential and integral calculus.

MATH188 Mathematics 1A Part 2

Spring Loftus On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: Either MATH187 OR a mark of at least 65 in MATH141 or MATH161
Co-requisites: None
Exclusions: MATH101, MATH142, MATH162 and MATH188 are not to count together.
Subject Description: MATH188 is a core subject continuing on from MATH187. The aim of this subject is to develop ideas, concepts and skills in mathematics for application in later subjects. Main topics covered are further calculus, differential equations, sequences and series of numbers, numerical mathematics and complex numbers. This subject is required for most 200 level Mathematics and Applied Statistics subjects.

MATH201 Multivariate and Vector Calculus

Autumn Wollongong On Campus
Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: One of MATH101 or MATH188 or MATH283 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A.
Co-requisites: None
Subject Description: MATH201 is one of four core 200 level Mathematics subjects and is a prerequisite for many 300 level subjects in Mathematics and Statistics. This subject extends the calculus of one variable to the calculus of more than one variable. Applications are given to maxima and minima, multiple integrals, vector calculus, line, surface and volume integrals, and to geometrical problems.

MATH202 Differential Equations 2

Spring Wollongong On Campus
Spring Loftus On Campus
Credit Points: 6
Pre-requisites: One of MATH101 or MATH188 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A.
Co-requisites: MATH201
Exclusions: MATH283
Subject Description: MATH202 is one of four core 200 level Mathematics subjects. This subject introduces the student to various special functions and differential equations and to techniques (both analytic and numerical) for their solution. Topics covered include exact first order equations, Gamma, Beta and Error functions, Laplace transforms, Fourier series, separation of variables for PDE's, basic numerical techniques, computer packages, and comparative accuracy of numerical techniques.

MATH203 Linear Algebra

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: One of MATH101 or MATH188 or MATH283 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A.
Co-requisites: None
Subject Description: MATH203 is one of four core 200 level Mathematics subjects. The study of systems of linear equations is important not only to mathematicians but also to scientists and engineers. Study of these systems is done both theoretically and numerically with geometrical interpretations given. It aims to build on students' knowledge of matrix algebra and vector analysis.

MATH204 Complex Variables and Group Theory

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: One of MATH101 or MATH188 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A.
Co-requisites: MATH201
Subject Description: MATH204 is one of four core 200 level Mathematics subjects. It is of substantial value to science and other students. The study of Complex Variables extends the calculus of functions of a real variable to functions of a complex variable. Group Theory studies basic algebraic properties common to many mathematical systems and is currently applied in the areas of physics, geology and computer science.

MATH212 Applied Mathematical Modelling 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: One of MATH101 or MATH188 or MATH283 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A.
Co-requisites: None
Subject Description: MATH212 is a subject in the applied mathematics strand. The subject provides insight into the process of Applied Mathematical Modelling in two important areas, heat transfer and Newtonian mechanics, though the modelling skills will be transferable to other areas. The main mathematical technique used is that of solving ordinary differential equations.

MATH222 Continuous and Finite Mathematics

Autumn Loftus On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: One of MATH101 or MATH188 or (a mark of at least 65 in MATH142 or MATH162) or enrolment in course code 762A.
Co-requisites: MATH201
Subject Description: MATH222 is for students who wish to continue in the mathematical analysis strand. Continuous Mathematics is concerned with the continuation of concepts introduced in first year calculus, including those of convergent sequence, continuous function and the integral of a function. Finite Mathematics is strictly independent of earlier work, but is related to first year algebra.

MATH235 Mathematics Project A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 credit points at 100 level including MATH110
Co-requisites: None
Subject Description: The subject is a project individually chosen for the student, at a level appropriate

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to the 200 classification. The content may consist of (1) a placement in business or industry where substantial use is made of mathematical techniques; or (2) a project directed towards independent investigation by the student, written and/or oral presentations, and substantial interaction of the student with the supervisors of the project and other members of staff; or (3) a project directed to mastery of a mathematical package or language, with specific use of the package or language in some application or area of mathematics; or (4) a project of research collaboration with a member or members of staff, of which written and spoken presentation would be a part. Other projects which are appropriate but not primarily in one of these single categories may occur, such as a project combining features of (1) and (2).

MATH250 Mathematics Project 1

Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: MATH188
Co-requisites: None
Subject Description: MATH250 is a project based subject. The projects will be chosen year by year and will be based on staff availability and student interest. The projects will be chosen for the students at a level that is appropriate to the 200 level classification. The content may consist of projects in a variety of areas related to pure, applied or methods mathematics with a mastery of a mathematical package or language. This will include both written and oral presentation to reflect the emphasis on the teaching of mathematics within the BMathEd degree program.

MATH253 Linear Algebra

Autumn Wollongong On Campus
Credit Points: 4
Pre-requisites: MATH188 or a mark of at least 65 in either MATH142 or MATH162
Co-requisites: None
Exclusions: MATH203
Subject Description: MATH253 is 2/3 of the subject MATH203. The aim of MATH253 is to build on students' knowledge of matrix algebra and vector analysis, and provide a strong foundation in the mathematics of linear algebra, with an appreciation of the applications that motivate it. The study of systems of linear equations is important not only to mathematicians but also to scientists and engineers. MATH253 will include study of these systems with geometrical interpretations being given. It includes vector spaces, subspaces, linear dependence, basis, dimension and inner product spaces. This will be followed by eigenvalues and eigenvectors and their central role to the diagonalization of matrices. Linear transformations and their basic properties will be discussed.

MATH270 Special Topics in Mathematics 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: MATH188 or MATH142
Co-requisites: None

MATH283 Mathematics IIE for Engineers Part 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: One of MATH101 or MATH142 or MATH144 or MATH162 or MATH188
Co-requisites: None
Exclusions: Not to count with MATH202 or MATH261 or MATH281.
Subject Description: MATH283 is a subject for Bachelor of Engineering students. The subject consists of two topics, Differential Equations and Statistics. Each topic is worth 50% of the final mark. Differential Equations deals with new techniques, including the Laplace transform, Fourier series, and special functions (the gamma, beta and error functions). Statistics gives an introduction to statistical computing, and to basic statistical techniques, including mathematical models for describing variation in experimental situations.

MATH291 Differential Equations

Spring Wollongong On Campus
Credit Points: 3
Pre-requisites: MATH188 or a mark of at least 65 in MATH142 or MATH162.
Co-requisites: MATH201
Exclusions: Not to count with MATH202.
Subject Description: Linear second and higher order differential equations, solution of differential equations by Laplace transform methods. Fourier series, and some special functions (gamma, beta and error functions) will be introduced, together with an introductory solution method to boundary value problems (separation of variables).

MATH292 Numerical Analysis

Spring Wollongong On Campus
Credit Points: 3
Pre-requisites: MATH188 or a mark of at least 65 in either MATH142 or MATH162.
Co-requisites: None
Exclusions: MATH202
Subject Description: Basic numerical techniques for the solutions of differential equations, with application of computer packages, will also be covered. Students will also be expected to assess the comparative accuracy of these techniques.

MATH293 Complex Variables

Spring Wollongong On Campus
Credit Points: 4
Pre-requisites: MATH188 or a mark of at least 65 in MATH142 or MATH162.
Co-requisites: MATH201
Exclusions: Not to count with MATH204.
Subject Description: Complex functions, power series, analytic functions, Laurent series, singularities, residues, contour integration, Cauchy's theorem, Residue theorem and applications, conformal transformations.

MATH294 Group Theory

Spring Wollongong On Campus
Credit Points: 2
Pre-requisites: MATH188 or a mark of at least 65 in MATH142 or MATH162.
Co-requisites: None
Exclusions: MATH204
Subject Description: Group Theory consists of a careful study of the fundamental properties of groups using the following concepts: order, finite groups,

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subgroups, cosets, group homomorphisms and group isomorphisms. This study leads to an important result in Group Theory called Lagrange's theorem.

MATH302 Differential Equations 3

Autumn Wollongong On Campus
Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: MATH283 or MATH202
Co-requisites: None
Subject Description: Many physical problems in the world are modelled with differential equations. This subject extends the knowledge of the student to various types of equations and to their solution. Techniques used widely in many areas of physical science are developed in this subject. Topics include Laplace and Fourier transforms, series solutions, and Hypergeometric and Bessel functions.

MATH305 Partial Differential Equations

Spring Loftus On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH201 and MATH202 and MATH203
Co-requisites: None
Subject Description: MATH305 is in a central area of mathematics, as many physical problems in the world are modelled with partial differential equations. Various types of equations and their solutions are discussed. As many equations cannot be solved in analytical form, numerical methods of solution also are considered. The aim is to develop high level mathematical ability and problem solving skills.

MATH312 Applied Mathematical Modelling 3

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH202 or (MATH283 and ENGG252)
Co-requisites: None
Subject Description: MATH312 builds on work and knowledge originating in MATH111 and MATH212 and shows how to undertake mathematical modelling of many scientific and engineering processes and problems arising in industry. Main foci are: continuum mechanics, including deformation of materials; linear elasticity, including basic concepts of the stress-strain relation; and fluid mechanics.

MATH313 Industrial Mathematical Modelling

Not on offer in 2008
Credit Points: 6
Pre-requisites: MATH202 or (MATH283 and MECH343)
Co-requisites: None
Subject Description: MATH313 is designed to develop mathematical modelling skills by the examination of case studies relevant to industry. The basic equations are derived from first principles and used to study the transfer of mass and heat, diffusion, solidification and combustion. In addition, the subject aims to improve oral presentation skills by making tutorial participation an assessable component of the subject.

MATH317 Financial Calculus

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH202 and either STAT131 or STAT231
Co-requisites: None
Subject Description: This subject introduces the financial calculus and the mathematical and statistical modelling necessary for solving practical problems in three fundamental aspects of financial markets (i) financial assets pricing (ii) financial derivatives pricing and (iii) risk management. The course brings together arbitrage principles, stochastic models of stock prices and interest rates, Ito's Lemma and analytical and numerical techniques for solving partial differential equations, to derive, solve and extend models for the valuation and hedging of a variety of vanilla and exotic options and interest-rate products.

MATH321 Numerical Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH202 and MATH203
Co-requisites: None
Exclusions: MATH311
Subject Description: MATH321 is designed to extend the ideas developed in MATH202 and MATH203 as to how numerical and computational mathematics can be used to solve problems that have no analytic solution. The foci are problems in linear algebra and applications to real world problems. Specific techniques include algorithms for calculating eigenvalues and eigenvectors of a matrix.

MATH322 Algebra

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Either MATH204 or MATH222
Co-requisites: None
Subject Description: MATH322 has been designed to develop clear and critical understanding, problem-solving skills and a capacity for rigorous argument. It builds on the group theory section of MATH204, and to a lesser extent upon the finite mathematics section of MATH222. An aim is to develop an appreciation of some of the concepts of modern algebra, including the work leading to the classification of finite simple groups completed around 1980.

MATH323 Topology and Chaos

Spring Loftus On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH222
Co-requisites: None
Subject Description: MATH323 aims to develop critical understanding and problem-solving skills in the context of topology and chaos theory. It is intended to convey some of the impact of chaos theory in other areas and encourage interest of the student in phenomena such as the Koch curve. Some concepts discussed are notions of distance, dynamical systems, fractals and the Mandelbrot set.

MATH325 Wavelets

Not on offer in 2008
Credit Points: 6
Pre-requisites: MATH201 and MATH203; MATH222 is desirable but not essential.
Co-requisites: None

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Subject Description: The theory of wavelets is a branch of mathematical analysis which has developed rapidly over the last 15 years. Wavelets are widely and increasingly important in applications, and at the same time their study permits an accessible introduction to some of the key ideas of modern mathematical analysis. Major topics covered include inner product spaces and the notion of convergence in inner product spaces, Hilbert spaces and Fourier series in Hilbert spaces, the Haar wavelet, and techniques for the construction and analysis of wavelets in general.

MATH345 Mathematics Project B

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 credit points at 200 level
Co-requisites: None
Subject Description: The subject is a project individually chosen for the student, at a level appropriate to the 300 classification. The content may consist of (1) a placement in business or industry where substantial use is made of mathematical techniques; or (2) a project directed towards independent investigation by the student, written and/or oral presentations, and substantial interaction of the student with the supervisors of the project and other members of staff; or (3) a project directed to mastery of a mathematical package or language, with specific use of the package or language in some application or area of mathematics; or (4) a project of research collaboration with a member or members of staff, of which written and spoken presentation would be a part. Other projects which are appropriate but not primarily in one of these single categories may occur, such as a project combining features of (1) and (2).

MATH350 Mathematics Project 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: 24 credit points of mathematics at 200 level
Co-requisites: None
Subject Description: MATH350 is a project based subject. The projects will be chosen year by year and will be based on staff availability and student interest. The projects will be chosen for the students at a level that is appropriate to the 300 level classification. The content may consist of projects in a variety of areas related to pure, applied or methods mathematics with a mastery of a mathematical package or language. This will include both written and oral presentation to reflect the emphasis on the teaching of mathematics within the BMathEd degree program.

MATH371 Special Topics in Industrial and Applied Mathematics 3

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Entry to this subject is at the discretion of the Head of the School of Mathematics and Applied Statistics. This subject may not be offered in any particular year. MATH371 is one of a number of elective subjects available to students enrolled in the degree courses offered by the School. The aim of this subject is to provide students with specialist applied mathematical skills. Topics will be selected from the areas of interest of staff members of the School or visiting staff members.

MATH372 Special Topics in Mathematical Analysis 3

Not on offer in 2008
Credit Points: 6
Pre-requisites: At discretion of Head of School
Co-requisites: None
Subject Description: Entry to this subject is at the discretion of the Head of the School of Mathematics and Applied Statistics. This subject may not be offered in any particular year. MATH372 is one of a number of elective subjects available to students enrolled in the degree courses offered by the School. The aim of the subject is to provide students with advanced mathematical concepts and skills. Topics will be selected from the areas of interest of staff members of the School or visiting staff members.

MATH401 Mathematics 4 (Honours)

Not on offer in 2008
Credit Points: 48
Pre-requisites: At discretion of Head of School
Co-requisites: None
Subject Description: A candidate must select 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 4 topics in one session, 3 in the other. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.

MATH402 Mathematics 4 (Honours)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: At discretion of Head of School
Co-requisites: None
Exclusions: MATH401
Subject Description: A student must complete 48 cp to be eligible for the award of Honours. A candidate must select 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 4 topics in one session, 3 in the other. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.

MATH403 Mathematics 4 (Honours) part-time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12

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Pre-requisites: At discretion of Head of School
Co-requisites: None
Exclusions: MATH401
Subject Description: A student must enrol in this subject for 2 consecutive years, completing a total of 48 cp to be eligible for the award of Honours. A candidate must select a total of 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 2 topics in each of three sessions and 1 in the fourth session. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.

MATH409 Mathematics Advanced (Honours)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: At discretion of Head of School
Co-requisites: None
Subject Description: A student must complete 48 cp to be eligible for the award of Honours. This subject is made up of a research project (37.5%) and coursework (62.5%). Five coursework topics must be chosen, normally comprising four 400-level subjects from those on offer in the School of Mathematics & Applied Statistics. One 300-level subject may be taken as a 400 level subject however, approval from the Honours Coordinator is needed. The coursework topics chosen will be subject to approval from the Honours Coordinator. A candidate will complete a substantial research project in an area of interest under the close supervision of one or more members of staff of the School.

MATH410 Mathematics Advanced (Honours) part-time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: At discretion of Head of School
Co-requisites: None
Subject Description: A student must enrol in this subject for 2 consecutive years, completing a total of 48 cp to be eligible for the award of Honours. Honours is made up of a research project (37.5%) and coursework (62.5%). Five coursework topics must be chosen, normally comprising four 400-level subjects from those on offer in the School of Mathematics & Applied Statistics. One 300-level subject may be taken as a 400 level subject however, approval from the Honours Coordinator is needed. The coursework topics chosen will be subject to approval from the Honours Coordinator. A candidate will complete a substantial research project in an area of interest under the close supervision of one or more members of staff of the School.

MATH471 Honours Topics in Mathematics A

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Subject to approval of Head of School
Co-requisites: None
Subject Description: MATH471 and MATH472 are offered to BMathEcon and BMathFin candidates. The aim of each of these subjects is to provide students with mathematical skills which can be used effectively in the relevant discipline. Students may be required to present some part of the course to the rest of the class, in a working seminar. The content is a topic from those offered in a particular year at 400-level within the subject MATH401, and which may vary from year to year.

MATH472 Honours Topics in Mathematics B

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: At discretion of Head of School
Co-requisites: None
Subject Description: MATH471 and MATH472 are offered to BMathEcon and BMathFin candidates. The aim of each of these subjects is to provide students with mathematical skills which can be used effectively in the relevant discipline. Students may be required to present some part of the course to the rest of the class, in a working seminar. The content is a topic from those offered in a particular year at 400-level within the subject MATH401, and which may vary from year to year.

PSYC354 Design and Analysis

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: For students who began their psychology major:- a) from 2007: PSYC231, 241, 234, 236 & 250, PSYC250 is a specified pre-reqs b) from 2003-2006, PSYC231,241,234,236 & 247 & 248, c) before 2003 24 credit points of 200 level psychology excluding PSYC216 & including PSYC232
Co-requisites: None
Subject Description: PSYC354 develops skills in the design and analysis of research investigations involving statistics. It is a pre-requisite for PSYC499. Statistical computing is an essential part of the course. Topics covered: statistical techniques in psychological research, experimental and observational research designs, analysis of survey data; analysis of variance and covariance; regression; factor analysis; multivariate analysis.

STAT131 Understanding Variation and Uncertainty

Autumn Wollongong On Campus
Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with COMM121, STAT151, STAT252
Subject Description: Variation and uncertainty occur in most aspects of life. Topics covered include Displaying variation and summarising data; Statistical computing and report writing; Probability Models: Markov Chains, binomial, Poisson; Modelling Uncertainty: Normal and other continuous distributions; Sampling Distributions - Central Limit Theorem; Inference - Point and Interval Estimation, Hypothesis Testing.

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STAT151 Fundamentals of Biostatistics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with STAT131 or STAT252 or COMM121
Subject Description: STAT151 enables students to understand the statistical content of articles in their own discipline. Includes exploratory data analysis; samples and populations; elementary probability; the Normal, binomial and Poisson distributions; estimation and confidence intervals; hypothesis testing for means, proportions and regression analysis; sensitivity and specificity.

STAT231 Probability and Random Variables

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH188 or a mark of at least 65 in either MATH142 or MATH162; or enrolment in course code 762A,.
Co-requisites: None
Exclusions: STAT291
Subject Description: STAT231 applies statistical tools to the modelling and analysis of random experiments. Includes graphical and numerical data presentation; statistical computing; discrete random variables (binomial, geometric, hypergeometric and Poisson) and continuous random variables (uniform, Normal and gamma); expected values; transformations; moment generating functions; multivariate distributions; the Poisson process.

STAT232 Estimation and Hypothesis Testing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: STAT231
Co-requisites: None
Subject Description: STAT232 develops techniques of statistical inference and statistical analysis. The inference techniques are sampling distributions (such as chi-squared, t and F distributions), methods and criteria of estimation, and hypothesis testing. The analysis techniques are nonparametric testing (such as the sign, median and Wilcoxon tests), simple linear regression and one and two-way analysis of variance.

STAT235 Statistics Project A

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 credit points at 100 level including MATH110
Co-requisites: None
Subject Description: The subject is a project individually chosen for the student, at a level appropriate to the 200 classification. The content may consist of (1) a placement in business or industry where substantial use is made of statistical techniques; or (2) a project directed towards independent investigation by the student, written and/or oral presentations, and substantial interaction of the student with the supervisors of the project and other members of staff; or (3) a project directed to mastery of a statistical package or language, with specific use of the package or language in some application or area of statistics; or (4) a project of research collaboration with a member or members of staff, of which written and spoken presentation would be a part. Other projects which are appropriate but not primarily in one of these single categories may occur, such as a project combining features of (1) and (2) above.

STAT252 Statistics For the Natural Sciences

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with STAT131 or STAT151 or STAT231 or STAT232 or PSYC232 or COMM121
Subject Description: STAT252 provides an introduction to statistical techniques. Topics covered are: data presentation; probability, binomial and Poisson distributions; Normal distribution; inference for single samples; comparison of two samples; analysis of variance and multiple comparisons; linear regression and correlation; goodness-of-fit testing and contingency tables.

STAT291 Engineering Statistics

Autumn Wollongong On Campus
Credit Points: 3
Pre-requisites: MATH142 or MATH188 or MATH162
Co-requisites: None
Exclusions: Not to count with STAT231.
Subject Description: (Part of MATH283) In this topic, methods of collecting and summarising data are discussed. Statistical inference methods concerning population means, proportions and variances are given. Linear and multiple regression methods are used to develop mathematical relationships among variables and to predict variables of interest. Some basic advantages of using experimental planning are discussed. Latin square and randomised block experimental designs are discussed. Students will be introduced to a major statistical package.

STAT304 Applied Probability and Financial Risk

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH203 and either STAT131 or STAT231
Co-requisites: None
Exclusions: STAT923
Subject Description: This subject develops the stochastic models required for decision making under uncertainty in finance, economics and actuarial statistics. Stochastic models include processes in both discrete time (random walk, Markov chains) and continuous time (birth and death processes, Gaussian processes). The applications focus on the measurement, management and control of risk and its consequences. Particular topics include gambler's ruin, log-normal price models, Value at Risk (VaR) measures and Markowitz portfolio selection.

STAT332 Multiple Regression and Time Series

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: STAT232
Co-requisites: None
Subject Description: STAT332 is an advanced course covering relationships between variables and the analysis of observational studies and designed experiments. Topics

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covered include multiple linear regression, non-linear regression, generalised linear regression, ARIMA models, forecasting of time series and Box-Jenkin's approach.

STAT333 Statistical Inference and Multivariate Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: STAT232
Co-requisites: None
Subject Description: STAT333 covers inference (estimation and hypothesis testing) in both one and many dimensions. Topics covered include transformations, maximum likelihood and minimum variance unbiased estimation, the likelihood ratio, score and Wald tests, vector random variables, the multivariate Normal distribution, principal components analysis, factor analysis and discriminant analysis.

STAT335 Sample Surveys and Experimental Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: STAT232 or STAT252 at Credit level or better, or STAT151 at Credit level or better, or PSYC232 at Credit level or better, or ECON121 at Credit or better, or (STAT131 & STAT231 both at Credit or better)
Co-requisites: None
Subject Description: STAT335 develops skills in designing and analysing statistical investigations. Statistical computing is an essential part of the course. Topics covered: Experimental designs (completely randomised, randomised complete block, Latin Square, factorial); the analysis of the data arising from these designs; steps in conducting a sample survey; methods such as simple random sampling and stratified sampling, number raised and ratio estimation.

STAT345 Statistics Project B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 credit points at 200 level
Co-requisites: None
Subject Description: The subject is a project individually chosen for the student, at a level appropriate to the 300 classification. The content may consist of (1) a placement in business or industry where substantial use is made of statistical techniques; or (2) a project directed towards independent investigation by the student, written and/or oral presentations, and substantial interaction of the student with the supervisors of the project and other members of staff; or (3) a project directed to mastery of a statistical package or language, with specific use of the package or language in some application or area of statistics; or (4) a project of research collaboration with a member or members of staff, of which written and spoken presentation would be a part. Other projects which are appropriate but not primarily in one of these single categories may occur, such as a project combining features of (1) and (2) above.

STAT355 Sample Surveys and Experimental Design (with Project)

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: STAT232 or STAT252 at Credit level or better, or STAT151 at Credit level or better, or PSYC232 at Credit level or better, or ECON121 at Credit or better, or (STAT131 & STAT231 both at Credit or better)
Co-requisites: None
Exclusions: STAT335
Subject Description: STAT355 develops skills in designing and analysing statistical investigations. Statistical computing is an essential part of the course. Topics covered: Experimental designs: completely randomised, randomised complete block, Latin Square, factorial; the analysis of the data arising from these designs. Steps in conducting a sample survey; methods such as simple random sampling and stratified sampling, number raised and ratio estimation.

STAT373 Special Topics in Probability and Statistics 3

Not on offer in 2008
Credit Points: 6
Pre-requisites: Entry to this subject is at the discretion of the Head of the School of Mathematics and Applied Statistics. This subject may not be offered in any particular year.
Co-requisites: None
Subject Description: STAT373 will be available at the discretion of the head of the School. Topics will be selected from areas of expertise of visiting staff members, or from other subjects offered by the School of Mathematics and Applied Statistics.

STAT401 Statistics 4 (Honours)

Not on offer in 2008
Credit Points: 48
Pre-requisites: At least 36 cp of maths 300 level subjects, and the approval of the Head of School.
Co-requisites: None
Subject Description: The subject consists of two components, one being coursework, the other a project. Coursework Requirements: A candidate must select seven topics from those on offer at the 400 level in Statistics and Mathematics to satisfy the requirements of this part of the course. The topics are usually sessional, and a candidate will normally take four topics in one session and three in the other. With the approval of the Head of the School, up to two of these topics may be replaced by 300 level Statistics and Mathematics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies.

STAT402 Statistics 4 (Honours)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: At discretion of Head of School
Co-requisites: None
Exclusions: STAT401
Subject Description: A student must complete 48 cp to be eligible for the award of Honours. A candidate must select 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 4 topics in one session, 3 in the other. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics

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and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.

STAT403 Statistics 4 (Honours) part-time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: At discretion of Head of School
Co-requisites: None
Exclusions: STAT401
Subject Description: A student must enrol in this subject for 2 consecutive years, completing a total of 48 cp to be eligible for the award of Honours. A candidate must select a total of 7 topics (a candidate may select 8 or more topics with approval from the Head of the School) from those on offer at the 400 level in Mathematics and Statistics. The topics are usually sessional, and a candidate will normally take 2 topics in each of three sessions and 1 in the fourth session. With the approval of the Head of the School, up to 2 of these topics may be replaced by 300 level Mathematics and Statistics subjects that may be considered appropriate to complement a particular candidate's previous undergraduate studies. A candidate will complete a Project in an area of interest under the close supervision of one or more members of staff of the School.

STAT409 Statistics Advanced (Honours)

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: At discretion of Head of School
Co-requisites: None
Subject Description: A student must complete 48 cp to be eligible for the award of Honours. This subject is made up of a research project (37.5%) and coursework (62.5%). Five coursework topics must be chosen, normally comprising four 400-level subjects from those on offer in the School of Mathematics & Applied Statistics. One 300-level subject may be taken as a 400 level subject however, approval from the Honours Coordinator is needed. The coursework topics chosen will be subject to approval from the Honours Coordinator. A candidate will complete a substantial research project in an area of interest under the close supervision of one or more members of staff of the School.

STAT410 Statistics Advanced (Honours) part-time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: At discretion of Head of School
Co-requisites: None
Subject Description: A student must enrol in this subject for 2 consecutive years, completing a total of 48 cp to be eligible for the award of Honours. Honours is made up of a research project (37.5%) and coursework (62.5%). Five coursework topics must be chosen, normally comprising four 400-level subjects from those on offer in the School of Mathematics & Applied Statistics. One 300-level subject may be taken as a 400 level subject however, approval from the Honours Coordinator is needed. The coursework topics chosen will be subject to approval from the Honours Coordinator. A candidate will complete a substantial research project in an area of interest under the close supervision of one or more members of staff of the School.

STAT471 Honours Topics in Statistics A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH188
Co-requisites: None
Subject Description: STAT471, STAT472, STAT473 and STAT474 are only offered to BMathFin and BMathEcon candidates. Students will acquire statistical skills which can be used effectively in scientific work. The content is a topic from those offered in a particular year at 400-level within the subject STAT401, and which may vary from year to year.

STAT472 Honours Topics in Statistics B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH188
Co-requisites: None
Subject Description: STAT471, STAT472, STAT473 and STAT474 are only offered to BMathFin and BMathEcon candidates. Students will acquire statistical skills which can be used effectively in scientific work. The content is a topic from those offered in a particular year at 400-level within the subject STAT401, and which may vary from year to year.

STAT473 Honours Topics in Statistics C

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH188
Co-requisites: None
Subject Description: STAT471, STAT472, STAT473 and STAT474 are only offered to BMathFin and BMathEcon candidates. Students will acquire statistical skills which can be used effectively in scientific work. The content is a topic from those offered in a particular year at 400-level within the subject STAT401, and which may vary from year to year.

STAT474 Honours Topics in Statistics D

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MATH188
Co-requisites: None
Subject Description: STAT471, STAT472, STAT473 and STAT474 are only offered to BMathFin and BMathEcon candidates. Students will acquire statistical skills which can be used effectively in scientific work. The content is a topic from those offered in a particular year at 400-level within the subject STAT401, and which may vary from year to year.

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Faculty of Law

Degrees Offered

Single Degrees

Bachelor of Laws (Graduate Entry)

Bachelor of Laws (Direct Entry)

Bachelor of Laws - Graduate Diploma in Legal Practice

Bachelor of Laws - Honours by Research

Double Degrees

Bachelor of Arts - Bachelor of Laws

Bachelor of Communication and Media Studies - Bachelor of Laws

Bachelor of Commerce - Bachelor of Laws

Bachelor of Computer Science - Bachelor of Laws

Bachelor of Creative Arts - Bachelor of Laws

Bachelor of Engineering - Bachelor of Laws

Bachelor of Journalism - Bachelor of Laws

Bachelor of Mathematics - Bachelor of Laws

Bachelor of Medical Science - Bachelor of Laws

Bachelor of Science - Bachelor of Laws

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/index.html

International - www.uow.edu.au/prospective/international/fees/

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Bachelor of Laws (Graduate Entry)

Testamur Title of Degree:	Bachelor of Laws
Abbreviation:	LLB
Home Faculty:	Faculty of Law
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	180
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	770
UAC Code:	756101
CRICOS Code:	004339G

Overview

This degree program is available only to graduates of other disciplines and consists entirely of Law subjects with a narrower range of elective options. The Faculty aims to provide a legal education which: equips students with a critical and questioning attitude; offers a broad perspective; and provides the foundation for a career in an extensive range of legal work.

Entry Requirements / Assumed Knowledge

To be eligible to apply for the Bachelor of Laws (Graduate Entry), applicants must hold a Bachelor's degree from an approved university. Applications for the Bachelor of Laws (Graduate Entry) will be assessed on academic performance.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Laws (Graduate Entry) must complete the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contract B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
LLB 240	Law of Torts	Autumn	8

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LLB 260	Dispute Management Skills	Autumn	2
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
LLB 290	Legal Theory	Spring	8
LLB 250	Drafting Skills	Spring	2
Third Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
2 LLB Electives		Autumn	16
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
1 LLB Elective OR		Spring	8
LLB 396	Professional Practice		

Elective Law Schedule

Subject		Session	Credit Points
LLB 303	Family, Children and Welfare	Spring	8
LLB 313	Legal Research Project A	Autumn/Spring	8
LLB 316	Occupational Health and Safety Law	Autumn	8
LLB 317	E-Commerce Law	*	8
LLB 320	Commercial and Consumer Contracts	Autumn	8
LLB 321	Banking Law	*	8
LLB 322	Objects and Subjects: Law, Things & Everyday Life	*	8
LLB 330	Law of Employment	Autumn	8
LLB 331	Intellectual Property Law	Spring	8
LLB 332	Labour Regulation	Spring	8
LLB 334	Environmental Law	Spring	8
LLB 335	Anti-Discrimination Law	*	8
LLB 337	Comparative Studies in Law	Autumn/Spring	8
LLB 339	Advanced Criminal Law and Procedure	*	8
LLB 341	Revenue Law	Spring	8
LLB 343	International Law	Autumn/Spring	8
LLB 344	Indigenous Peoples and Legal Systems	*	8
LLB 348	Media Law	Autumn	8
LLB 350	Special Study in Law A	Autumn/Spring	8
LLB 351	Special Study in Law B	Autumn/Spring	8
LLB 352	Jessup International Law Moot	*	8
LLB 354	Human Rights Law	Autumn	8
LLB 355	Bankruptcy and Corporate Insolvency Law and Practice	*	8
LLB 356	Insurance Law	*	8
LLB 357	Conflict of Laws	*	8
LLB 358	Marine Resources Law	Autumn	8
LLB 359	Corporate Governance	*	8
LLB 360	Foreign Investment Law in the People's Republic of China	*	8
LLB 362	Advanced Revenue Law	*	8
LLB 363	Advanced Family Law	*	8
LLB 364	Islamic Law	*	8
LLB 366	Animal Law	Spring	8
LLB3911	Introduction to Natural Resources Law	*	8

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LLB3918	Law of Land and Nature Conservation	*	8
LLB3919	Water Resources Law	*	8
LLB3920	Local Government Law and the Neighbourhood Environment	*	8
LLB3922	International Maritime Environmental Law	*	8
LLB3923	Law of the Sea	*	8
LLB3924	International Environmental Law	*	8
LLB3927	Natural Resources Law Review	Autumn/Spring	8
LLB3928	Special Studies in Natural Resources Law I	*	8
LLB3929	Special Studies in Natural Resources Law II	*	8
LLB 396	Professional Practice	Autumn/Spring	8
SOC 222	Crime, Criminality and Criminalisation	*	8
SOC 244	Punishment: Purpose, Practice, Policy	Spring	8
SOC 349	Governing Society, the Self and the Social	*	8

* Not available in 2008

Professional Recognition

On completion of the Bachelor of Laws degree, a student who wishes to practise as a barrister or solicitor must undertake some form of professional practical training, the requirements for which vary between each state and territory of Australia.

In New South Wales, a student who intends to qualify for admission to practice as a legal practitioner is required to undertake a practical legal training course accredited by the Legal Practitioners' Admission Board, followed by or incorporating a period of practical experience in a law-related setting. The Faculty of Law has established a Legal Practice Unit and its Practical Legal Training Course has been accredited by the Legal Practitioners' Admissions Board. The course has its foundations in the Wollongong Bachelor of Laws. The course is offered over 20 weeks in a flexible mode integrating training with professional experience.

In some instances the course is also available to final year law students, so that they are qualified for admission to practice as soon as they finish their Bachelor of Laws degree.

Other Information

Students who intend to practise as solicitors after admission should obtain further information about restricted practice and the mandatory continuing legal education requirements from the Law Society of New South Wales. Students who intend to practice as barristers after admission will be required to read with a senior barrister for a period of time and to undertake the Bar Readers' Course before being qualified to take briefs on their own account. Further information is available from the New South Wales Bar Association.

Bachelor of Laws (Direct Entry)

Testamur Title of Degree:	Bachelor of Laws
Abbreviation:	LLB
Home Faculty:	Faculty of Law
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	228
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1777
UAC Code:	756100
CRICOS Code:	055107A

Overview

This degree program consists entirely of Law subjects with a broad range of elective options. It aims to provide a legal education which equips students with a critical and questioning attitude, offers a broad perspective and provides the foundation for a career in an extensive range of legal work.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

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Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Laws (Direct Entry) must complete the following:

a) all compulsory Law subjects in the sequence set out in the relevant Course Program;

b) elective subjects to the value of 88 credit points from the Bachelor of Laws Elective Law Schedule.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contract B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
LLB 290	Legal Theory	Spring	8
LLB 250	Drafting Skills	Spring	2
Third Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
2 LLB Electives		Autumn	16
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Fourth Year			
6 LLB Electives		Autumn	48

Electives

Students must successfully complete elective subjects to the value of 88 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

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Bachelor of Laws – Graduate Diploma in Legal Practice

Testamur Titles of Degree:	Bachelor of Laws - Graduate Diploma in Legal Practice
	(a separate testamur is awarded for each degree)
Abbreviation:	LLB-GDLP
Home Faculty:	Faculty of Law
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	252
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1770
UAC Code:	756100
CRICOS Code:	N/A

Overview

This degree program consists entirely of Law subjects with a broader range of elective options. It aims to provide a legal education which equips students with a critical and questioning attitude, offers a broad perspective and provides the foundation for a career in an extensive range of legal work.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Laws - Graduate Diploma in Legal Practice must complete each of the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 64 credit points from the Bachelor of Laws Elective Law Schedule;

c) the requirements for the award of Graduate Diploma in Legal Practice.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contract B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8

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LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
LLB 290	Legal Theory	Spring	8
LLB 250	Drafting Skills	Spring	2
Third Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
2 LLB Electives		Autumn	16
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Fourth Year			
3 Electives		Autumn/Spring	24
PLUS			
Graduate Diploma in Legal Practice subjects		Autumn/Spring	48

Electives

Students must successfully complete elective subjects to the value of 64 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Laws – Honours by Research

Testamur Title of Degree:	Bachelor of Laws - Honours by Research
Abbreviation:	LLB(Research Hons)
Home Faculty:	Faculty of Law
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	228
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1771
UAC Code:	756100
CRICOS Code:	055107A

Overview

This degree program consists entirely of Law subjects with a broader range of elective options. The Faculty aims to provide a legal education which equips students with a critical and questioning attitude, offers a broad perspective and provides the foundation for a career in an extensive range of legal work.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Laws - Honours by Research, must complete the following:

a) all compulsory Law subjects in the sequence set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) the subject LLB448 Research Honours in Law.

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The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contract B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
LLB 290	Legal Theory	Spring	8
LLB 250	Drafting Skills	Spring	2
Third Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
2 LLB Electives		Autumn	16
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Fourth Year			
LLB 448	Research Honours in Law	Autumn and Spring	48

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

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Bachelor of Arts - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Arts - Bachelor of Laws (a separate testamur is awarded for each degree)
Abbreviation:	BA-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	270*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	771
UAC Code:	751201
CRICOS Code:	004340C

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Arts – Bachelor of Laws degree offers a range of choices to those interested in humanities and social sciences and includes modern languages.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in Law subjects and subject from the Arts or Health and Behavioural Sciences schedules.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Arts - Bachelor of Laws must complete each of the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) subjects to the value of at least 90 credit points from the Bachelor of Arts Course Program, the Faculty of Health & Behavioural Sciences Course Program or the General Schedule.

Note:

i) No more than 48 credit points shall be of 100-level subjects.

ii) The 90 credit points must include one major study taught by a member unit of the Faculty of Arts (including Aboriginal Studies) OR a major study in Psychology or Population Health.

iii) Where subjects have the prefix LAW, the equivalent Bachelor of Laws subjects must be substituted.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Arts – Bachelor of Laws (Joint Honours by Research), a candidate must complete LLB424 Joint Research Honours in Law and Another Discipline, and 24 credit points of the equivalent subject in Arts, in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours)..

To be eligible for the award of Bachelor of Laws (Honours by Research), candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

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To be eligible for the award of Honours in Arts, a candidate must undertake a separate one-year full-time or part-time equivalent degree and must make a separate degree application.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from Arts or Health & Behavioural Sciences schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from Arts or Health & Behavioural Sciences schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from Arts or Health & Behavioural Sciences schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from Arts or Health & Behavioural Sciences schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from Arts or Health & Behavioural Sciences schedule		Autumn	
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from Arts or Health & Behavioural Sciences schedule		Spring	
Fifth Year			
2 LLB Electives		Autumn	16
Subjects from Arts or Health & Behavioural Sciences schedule		Autumn	
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Subjects from Arts or Health & Behavioural Sciences schedule		Spring	

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the course schedules for the Faculty of Arts or Faculty of Health & Behavioural Sciences for majors available in the Bachelor of Arts course. It is necessary for students to seek appropriate advice from the Arts Faculty on their options for Majors and subject sequences.

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Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

The subjects SOC222 Crime, Criminality and Criminalisation, SOC244 Punishment: Purpose, Practice, Policy or SOC349 Governing Society, the Self and the Social may be completed as electives for the Bachelor of Laws course. However, the credit points may not be counted towards the Bachelor of Arts component of the double degree if they are being used as electives in Law.

Bachelor of Communication and Media Studies - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Communication and Media Studies - Bachelor of Laws
	(a separate testamur is awarded for each degree)
Abbreviation:	BCM-LLB
Home Faculty:	Faculty of Arts
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	268*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	760
UAC Code:	751210
CRICOS Code:	049643E

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Communication and Media Studies – Bachelor of Laws degree will provide those students interested in media law with an overview of the industry, its practices and policies. It also provides a solid foundation for students interested in politics or government.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in subjects from the Law and Arts schedules.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions.

Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Communication and Media Studies - Bachelor of Laws must complete each of the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) all compulsory (core) subjects in the Bachelor of Communication and Media Studies Course Program;

d) the required subjects of one of the major studies in the Bachelor of Communication and Media Studies; and

e) where necessary, elective subjects (not having the prefix LAW), from the Bachelor of Laws Course Program, the Bachelor of Communication and Media Studies Course Program or the General Schedule, to ensure that at least 84 credit points have been completed.

Note: No more than 48 credit points shall be of 100-level subjects.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

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To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from BCM schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from BCM schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from BCM schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from BCM schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from BCM schedule		Autumn	
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from BCM schedule		Spring	
Fifth Year			
2 LLB Electives		Autumn	16
Subjects from BCM schedule		Autumn	
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Subjects from BCM schedule		Spring	

Majors

Majors are NOT available in the Bachelor of Laws course. Students should refer to the Faculty of Arts for majors available in the Bachelor of Communications and Media Studies course.

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Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Commerce - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Commerce - Bachelor of Laws
	(a separate testamur is awarded for each degree)
Abbreviation:	BCom-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	282*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	773
UAC Code:	751202
CRICOS Code:	003683K

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Commerce – Bachelor of Laws degree provides opportunities for students to combine their interest in law with business or commerce.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in subjects from the Law and Commerce schedules.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Commerce - Bachelor of Laws, must complete each of the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) subjects to the value of at least 102 credit points from the from the Bachelor of Commerce Course Program, consisting of:

i) all compulsory subjects in the Bachelor of Commerce Course Program; and

ii) an approved Commerce major except for a Business Law major.

Note:

i) Where subjects in c) have the prefix LAW, the equivalent Bachelor of Laws subjects must be substituted.

ii) Students wishing to undertake the Commerce major in Financial Planning should note that it may take more than five years to complete the degree. Students are advised to contact the Sub-Deans of Commerce and Law prior to deciding to undertake the major in Financial Planning.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Commerce – Bachelor of Laws (Joint Honours by Research), a candidate must complete LLB424 Joint Research Honours in Law and Another Discipline, and 24 credit points of the equivalent subject

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in Commerce. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from Commerce schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from Commerce schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from Commerce schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from Commerce schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from Commerce schedule		Autumn	
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from Commerce schedule		Spring	
Fifth Year			
2 LLB Electives		Autumn	16
Subjects from Commerce schedule		Autumn	
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Subjects from Commerce schedule		Spring	

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Majors

Majors are NOT available in the Bachelor of Laws course. It is necessary for students to seek appropriate advice from the Commerce Faculty on their options for majors and subject sequences.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Computer Science - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Computer Science - Bachelor of Laws
	(a separate testamur is awarded for each degree)
Abbreviation:	BCompSc-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	288*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	776
UAC Code:	751203
CRICOS Code:	012093B

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Computer Science – Bachelor of Laws offers opportunities for students to undertake a specialised degree of study in computer science and law.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in subjects from the Law and Computer Science schedules.

Entry Requirements / Assumed Knowledge

For the Faculty of Law:

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Refer to Faculty of Informatics for entry requirements for the Bachelor of Computer Science.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Computer Science - Bachelor of Laws, must complete each of the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) subjects to the value of at least 108 credit points from the Computer Science Course Schedule or the General Schedule , including:

i) 72 credit points of compulsory (core) subjects from the Computer Science Course Schedule;

ii) an additional 24 credit points of 300-level subjects, of which 12 credit points must be CSCI subjects;

iii) elective subjects to the value of 12 credit points from the Computer Science Course Schedule or the General Schedule;

iv) at least 24 credit points of 300-level subjects, including CSCI321 Project, at Pass grade or better.

Note: No more than 24 credit points of subjects shall be at Pass Conceded grade.

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Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from Computer Science schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from Computer Science schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from Computer Science schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from Computer Science schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from Computer Science schedule		Autumn	
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from Computer Science schedule		Spring	
Fifth Year			
2 LLB Electives		Autumn	16
Subjects from Computer Science schedule		Autumn	
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8

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Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Computer Science Schedule for majors available in the Bachelor of Computer Science degree.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Creative Arts - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Creative Arts - Bachelor of Laws
	(a separate testamur is awarded for each degree)
Abbreviation:	BCA-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	288*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	772
UAC Code:	751204
CRICOS Code:	005068F

* This is a minimum figure and may vary depending on the selected major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Creative Arts – Bachelor of Laws degree allows students to combine studies in the creative arts, such as creative writing, graphic design, media arts, sound – composition and production, performance or visual arts with studies in law. Many lawyers find that knowledge of the arts and media is extremely useful in their practice.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full-time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in subjects from the Law and Creative Arts schedules.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Additional selection criteria apply for the Bachelor of Creative Arts. In addition to applying to UAC, students must submit an interview/audition application form to the Faculty of Creative Arts. For further information refer to the UAC Guide.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Creative Arts – Bachelor of Laws, must complete each of the following:

a) all compulsory Law subjects in the sequence prescribed in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) a major study comprising 108 credit points as approved by the Faculty of Creative Arts.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

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To be eligible for the award of Bachelor of Creative Arts (Honours) a candidate must complete CREA401 - Minor Thesis in Creative Arts and CREA402 - Creative Arts Presentation. Please refer to the Faculty of Creative Arts for more information.

To be eligible for the award of Bachelor of Creative Arts – Bachelor of Laws (Joint Honours by Research), a candidate must complete LLB424 Joint Research Honours in Law and Another Discipline and either CREA401 - Minor Thesis in Creative Arts or CREA402 - Creative Arts Presentation. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year) - full-time program		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from Creative Arts schedule			
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from Creative Arts schedule			
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from Creative Arts schedule			
Fifth Year			
2 LLB Electives		Autumn	16
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Subjects from Creative Arts schedule			

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Majors

Majors are NOT available in the Bachelor of Laws degree. Refer to the Faculty of Creative Arts Schedule for majors available in the Bachelor of Creative Arts degree.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Engineering - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Engineering - Bachelor of Laws
	(a separate testamur is awarded for each degree)
Abbreviation:	BE-LLB
Home Faculty:	Faculty of Law
Duration:	6 years full-time or part-time equivalent
Total Credit Points:	342*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	779
UAC Code:	751208
CRICOS Code:	036465C

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Engineering – Bachelor of Laws degree allows students to recognise how law functions in technical contexts.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full time, except where Faculty approval is given on equity grounds. In the following 5 years of the degree, students enrol in Law and Engineering subjects.

Entry Requirements / Assumed Knowledge

For the Faculty of Law:

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

Refer to Faculty of Engineering for entry requirements for Bachelor of Engineering.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Engineering - Bachelor of Laws must complete each of the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) a major study comprising 162 credit points as prescribed by the Faculty of Engineering.

Note: All students should discuss their Engineering program with the relevant Course Coordinator.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

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Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from Engineering schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from Engineering schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from Engineering schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from Engineering schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from Engineering schedule		Autumn	
LLB 301	Evidence	Spring	8
1 LLB Elective		Spring	8
Subjects from Engineering schedule		Spring	
Fifth Year			
2 LLB Electives		Autumn	16
Subjects from Engineering schedule		Autumn	
1 LLB Elective		Spring	8
Subjects from Engineering schedule		Spring	
Sixth Year			
1 LLB Elective or		Autumn	8
LLB 396	Professional Practice	Autumn	8
Subjects from Engineering schedule		Autumn	
Subjects from Engineering schedule		Spring	

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Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Engineering Schedule for majors available in the Bachelor of Engineering degree.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule - see Bachelor of Laws (Graduate Entry).

Bachelor of Journalism - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Journalism - Bachelor of Laws
	(a separate testamur is awarded for each degree)
Abbreviation:	BJ-LLB
Home Faculty:	Faculty of Creative Arts
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	270
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	858
UAC Code:	751211
CRICOS Code:	058981A

Overview

A double degree in Journalism and Law will provide students with an expanded skill set - one that will set them apart from students who opt for a single degree option in either Faculty. This is not to say that single degree students will be precluded from jobs on the basis of their qualifications. UOW's reputation for quality teaching provides graduates with a strong advantage, but the double degree provides graduates with a wider range of options.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in subjects from the Law and Journalism schedules.

Entry Requirements / Assumed Knowledge

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

An additional selection criterion applies for the Bachelor of Journalism. In addition to applying to UAC, students must submit an interview/audition application form to the Faculty of Creative Arts. For further information refer to the UAC Guide.

For the Faculty of Law:

Assumed knowledge: Any two units of English.

Recommended Studies: English Advanced.

Refer to Faculty of Creative Arts for entry requirements for Bachelor of Journalism.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

To qualify for the award of the Bachelor of Journalism - Bachelor of Laws, a candidate must complete total of at least 270 credit points including each of (a), (b) and (c) as follows:

a) at least 90 credit points from the Course Structure of the Bachelor of Journalism, including all compulsory subjects, and subjects required for one Specialist Stream★;

b) all compulsory Law subjects in the sequence prescribed in the relevant Course Program:

c) elective subjects to the value of 40 credit points from the LLB Elective Law Schedule.

To be eligible for the award of LLB Honours (calculated in accordance with method 4), a candidate must complete LLB313.

To be eligible for the award of LLB (Honours by Research) a candidate must complete LLB448 Research Honours in Law. The Honours grade will be calculated in accordance with method 1.

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*Note: Students of the Bachelor of Journalism - Bachelor of Laws will be exempted from the three Journalism electives normally required in the Bachelor of Journalism.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from Journalism schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from Journalism schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from Journalism schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from Journalism schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from Journalism schedule		Autumn	
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from Journalism schedule		Spring	
Fifth Year			
2 LLB Electives		Autumn	16
Subjects from Journalism schedule		Autumn	

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1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Subjects from Journalism schedule		Spring	

Majors

Majors are NOT available in the Bachelor of Laws course.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Mathematics - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Mathematics - Bachelor of Laws
	(a separate testamur is awarded for each degree)
Abbreviation:	BMath-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	288*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	774
UAC Code:	751206
CRICOS Code:	005069E

* This is a minimum figure and may vary depending on major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Mathematics – Bachelor of Laws offers opportunities for students with and aptitude for, and an interest in, mathematics.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in subjects from the Law and Mathematics schedules.

Entry Requirements / Assumed Knowledge

For the Faculty of Law:

Assumed knowledge: Any two units of English.

Recommended Studies: English Advanced.

For the Bachelor of Mathematics:

Refer to Faculty of Informatics.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Mathematics - Bachelor of Laws, must complete each the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) subjects to the value of at least 108 credit points from the Mathematics Course Schedule or the General Schedule, including a major study in Mathematics;

Note: Students must also satisfy the requirements prescribed for the Bachelor of Mathematics degree.

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Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information n the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from Mathematics and Applied Statistics schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from Mathematics and Applied Statistics schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from Mathematics and Applied Statistics schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from Mathematics and Applied Statistics schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from Mathematics and Applied Statistics schedule		Autumn	
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from Mathematics and Applied Statistics schedule		Spring	
Fifth Year			
2 LLB Electives		Autumn	16
Subjects from Mathematics and Applied Statistics schedule		Autumn	
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8

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Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Mathematics Schedule for majors available in the Bachelor of Mathematics course.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Medical Science - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Medical Science - Bachelor of Laws (a separate testamur is awarded for each degree)
Abbreviation:	BMedSc-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	270*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	775M
UAC Code:	751209
CRICOS Code:	036542F

* This is a minimum figure and may vary depending on the major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Medical Science – Bachelor of Laws degree provides opportunities for students with an interest in the application of the law to medical contexts, including medical ethics and bioethics.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full-time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in subjects from the Law and Health & Behavioural Sciences Schedules.

Entry Requirements / Assumed Knowledge

For the Bachelor of Laws:

Assumed Knowledge: Any two units of English.

Recommended Studies: English Advanced.

For the Bachelor of Medical Science:

Refer to Faculty of Health & Behavioural Sciences for entry requirements.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Medical Science – Bachelor of Laws must complete each of the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule;

c) general elective subjects having a value of at least 90 credit points forming a Medical Science major study which must:

i) be selected from the Health & Behavioural Sciences Schedule of Subjects;

ii) include no more than 48 credit points of 100-level subjects; and

iii) include at least 24 credit points of 300-level subjects.

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Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete LLB313 Legal Research Project in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete the elective LLB448 Research Honours in Law as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours)

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from Health & Behavioural Sciences schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from Health & Behavioural Sciences schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from Health & Behavioural Sciences schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from Health & Behavioural Sciences schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from Health & Behavioural Sciences schedule		Autumn	
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from Health & Behavioural Sciences schedule		Spring	
Fifth Year			
2 LLB Electives		Autumn	16
Subjects from Health & Behavioural Sciences schedule		Autumn	
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Subjects from Health & Behavioural Sciences schedule		Spring	

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Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Faculty of Health & Behavioural Sciences Schedule for majors.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

Bachelor of Science - Bachelor of Laws

Testamur Title of Degree:	Bachelor of Science - Bachelor of Laws
	(a separate testamur is awarded for each degree)
Abbreviation:	BSc-LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	270*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	775
UAC Code:	751207
CRICOS Code:	006872C (Science) or 029274B (HBS)

* This is a minimum figure and may vary depending on the major.

Overview

Students commencing University study directly from school may enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The Bachelor of Science – Bachelor of Laws degree provides opportunities for students to combine their knowledge of law with scientific disciplines in addressing issues such as environmental planning, or those arising from the introduction of new technology.

For the first year of the double degree, students enrol in subjects prescribed by the Faculty of Law. The first year of the LLB must be completed full-time, except where Faculty approval is given on equity grounds. In the following four years of the degree, students enrol in subjects from the Law and Science/Health & Behavioural Sciences schedules.

Entry Requirements / Assumed Knowledge

For the Bachelor of Laws:

Assumed knowledge: Any two units of English.

Recommended Studies: English Advanced.

For the Bachelor of Science:

Refer to relevant Faculty for entry requirements.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW028638.html

Course Requirements

Students who enrol in the Bachelor of Science - Bachelor of Laws, must complete each of the following:

a) all compulsory Law subjects as set out in the relevant Course Program;

b) elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule; and

c) subjects to the value of at least 90 credit points, including a major study, selected from the Bachelor of Science Course Program or the Faculty of Health and Behavioural Sciences Course Program, or a prescribed Environmental Science program of study having a value of 92 credit points.

Note: No more than 48 credit points shall be of 100-level subjects.

Honours

To be eligible for the award of Bachelor of Laws (Honours), a candidate must complete the elective LLB313 Legal Research Project as part of the above Course Requirements. The Honours grade will be calculated in accordance with Method 4 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

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To be eligible for the award of Bachelor of Science – Bachelor of Laws (Joint Honours by Research), a candidate must complete LLB424 Joint Research Honours in Law and Another Discipline and 24 credit points of the equivalent subject in Science. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

To be eligible for the award of Bachelor of Laws (Honours by Research), a candidate must complete LLB448 Research Honours in Law in addition to the above Course Requirements. The Honours grade will be calculated in accordance with Method 1 (refer to the Code of Practice – Honours, Section 8 Assessment, for information on the methods of calculating Honours).

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB 100	Foundations of Law A	Autumn	8
LLB 110	Legal Research and Writing	Autumn	4
LLB 120	Law of Contract A	Autumn	8
LLB 130	Criminal Law and Process A	Autumn	8
LLB 150	Communication Skills	Autumn	2
LLB 140	Advocacy Skills	Spring	2
LLB 160	Foundations of Law B	Spring	8
LLB 170	Law of Contracts B	Spring	8
LLB 180	Criminal Law and Process B	Spring	8
LLB 190	Lawyers and Australian Society	Spring	8
Second Year			
LLB 220	Property and Trusts A	Autumn	8
LLB 230	Public Law A	Autumn	8
Subjects from Science or Health & Behavioural Sciences schedule		Autumn	
LLB 270	Property and Trusts B	Spring	8
LLB 280	Public Law B	Spring	8
Subjects from Science or Health & Behavioural Sciences schedule		Spring	
Third Year			
LLB 240	Law of Torts	Autumn	8
LLB 260	Dispute Management Skills	Autumn	2
Subjects from Science or Health & Behavioural Sciences schedule		Autumn	
LLB 250	Drafting Skills	Spring	2
LLB 290	Legal Theory	Spring	8
Subjects from Science or Health & Behavioural Sciences schedule		Spring	
Fourth Year			
LLB 300	Remedies and Procedure	Autumn	8
LLB 302	Law of Business Organisations	Autumn	8
Subjects from Science or Health & Behavioural Sciences schedule		Autumn	
LLB 301	Evidence	Spring	8
2 LLB Electives		Spring	16
Subjects from Science or Health & Behavioural Sciences schedule		Spring	
Fifth Year			
2 LLB Electives		Autumn	16
Subjects from Science or Health & Behavioural Sciences schedule		Autumn	
1 LLB Elective or		Spring	8
LLB 396	Professional Practice	Spring	8
Subjects from Science or Health & Behavioural Sciences schedule		Spring	

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Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Science or Health & Behavioural Sciences Schedules for majors.

Electives

Students must successfully complete elective subjects to the value of 40 credit points from the Bachelor of Laws Elective Law Schedule – see Bachelor of Laws (Graduate Entry).

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SUBJECT DESCRIPTIONS

LAW 100 Law in Society

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: LLB100 or LAW101
Subject Description: Effective participation in the business world, and in society in general, requires some understanding of the law and of legal processes. Law in Society aims to provide the knowledge and skills to achieve these goals. The subject introduces students to the various stages of setting up and operating a small business and the areas of law most relevant to each stage. The consideration of the law focuses on its practical implications for achieving business objectives and preventing legal problems arising.

LAW 101 Law, Business and Society

Autumn	Shoalhaven	On Campus
Autumn	Bega	On Campus
Autumn	Loftus	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Wollongong	On Campus
Autumn	Moss Vale	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: LLB100 or LAW100 or LAW210
Subject Description: Effective participation in the business world and in society in general, requires an understanding of the law and of legal processes. LAW101 Law, Business and Society introduces students to areas of law most relevant to involvement in the business sector. The consideration of the law focuses on its practical implications for achieving business objectives and preventing legal problems arising. As the major case study, students are expected to gain an understanding that contract law is the basis of commercial law and is thus essential for persons wishing to engage in business. It also aims to provide a knowledge and skills base for those intending to pursue further legal studies.

LAW 210 Contract Law

Spring	Wollongong	On Campus
Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus

Credit Points: 6
Pre-requisites: LAW100 or LAW130
Co-requisites: None
Exclusions: LAW 101 or LLB 210 or LLB120 or LLB170
Subject Description: A study of the common law governing contractual relationships together with an outline of relevant statutory modifications, including an introduction to the sale of goods, consumer law, and e-commerce. The subject allows the student to have an understanding that contract law is the basis of commercial law and is thus essential for persons wishing to engage in business. Indeed the formation of contracts is an integral part of the conduct of any business enterprise and an ability to interpret and understand such contracts will enable the person involved in the business to make informed decisions and be awre of alternatives.

LAW 302 Law of Business Organisations

Autumn	Wollongong	On Campus
Autumn	Bega	On Campus
Autumn	Batemans Bay	On Campus
Autumn	Shoalhaven	On Campus
Autumn	Moss Vale	On Campus

Credit Points: 6
Pre-requisites: LAW101 or LAW210
Co-requisites: None
Subject Description: The subject outlines the key features of the different legal structures which people might adopt for their business and voluntary activities. The legal regulation of two of these, a partnership and a company incorporated under the Corporations Act, are then considered in depth. Practical applications of the law, and public policy dimensions, are addressed throughout the subject.

LAW 303 Children, Families and the Law

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: LAW100 or LAW101
Co-requisites: None
Exclusions: LLB303
Subject Description: The subject examines the legislative framework and common law principles applicable to both the legal recognition of relationships and the resolution of disputes arising from the breakdown of those relationships. Areas covered include: marriage; divorce; nullity; disputes in relation to children under the Family Law Act, 1975 (Cth); property and maintenance disputes for both married and non-married couples; child support and child maintenance; family violence under state and federal legislation; international abduction. The subject also looks at the related areas of state child welfare proceedings and adoption. The course examines what "family" means today and the challenges our legal system faces in dealing with this fluid concept and recognizing diverse family structures and relationships.

LAW 308 Administrative Law

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: LAW 100
Co-requisites: None
Exclusions: LLB 308 or LLB230
Subject Description: The notion of the state and state power; limitations on state power; the constitutional structure of the Australian nation-state; the notion of division and separation of powers; mechanisms of accountability and control of government officials, including access to government information, the Ombudsman, merits review tribunals and judicial review.

LAW 315 Taxation Law

Spring	Wollongong	On Campus
Spring	Shoalhaven	On Campus
Spring	Bega	On Campus
Spring	Batemans Bay	On Campus
Spring	Moss Vale	On Campus

Credit Points: 6
Pre-requisites: LAW101 or LAW210

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Co-requisites: None
Subject Description: This subject focuses on the structure of the Income Tax Assessment Acts (1936 & 1997); Fringe Benefits Tax Assessment Act 1986; and related legislation. General principles with respect to the assessability of income and deductibility of expenses are studied, together with the treatment of fringe benefits and capital gains.

LAW 316 Occupational Health and Safety Law

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: LAW100 or LAW101 and 12 credit points in LAW subjects
Co-requisites: None
Exclusions: LLB316
Subject Description: This subject is concerned with the study of the legal regime governing health, safety and welfare of people at work in New South Wales. Its focus will be the Occupationl Health and Safety Act 2000 and the Occupational Health and Safety Regulations 2001.

LAW 317 E-Commerce Law

Not on offer in 2008
Credit Points: 6
Pre-requisites: (LAW 101 or LAW 210) and a minimum 48 credit points.
Co-requisites: None
Exclusions: LLB317
Subject Description: The subject explores some of the more significant legal and regulatory issues and developments that e-commerce gives rise to. The main perspective is that of the on-line business and its risk management needs for achieving business success. This brings the interests of suppliers consumers and regulators into focus. We begin with an overview of the cyber-marketplace and relevant public policy considerations. Then we adopt a timeline approach focusing on those issues and developments most relevant at start up and once the business opens for on-line trading. Start up introduces intellectual property law, privacy and transactional security issues and responses. On-line trading raises identity, contract, consumer protection, payment systems and jurisdictional issues and responses. Finally, we turn to an area for special study. Students will be invited to select that area, for example from among the issues and developments relating to the infrastructure constituting the cyber-marketplace.

LAW 321 Banking Law

Not on offer in 2008
Credit Points: 6
Pre-requisites: LAW 101 or LAW 210
Co-requisites: None
Exclusions: LLB 321
Subject Description: LLB321 Banking Law is designed to develop in students a sound understanding of the law governing financial institutions in Australia, and the manner in which these institutions are regulated. The relationship between financial institutions and their customers will be examined, along with the impact of recent technological developments on this relationship and on the business of banking. The law dealing with cheques and other negotiable instruments will be discussed in detail. The issue of security for transactions with financial institutions will be analysed, along with the position of banks as creditors when a customer becomes bankrupt.

LAW 322 Objects and Subjects: Law, Things and Everyday Life

Not on offer in 2008
Credit Points: 6
Pre-requisites: 48 credit points of any subjects
Co-requisites: None
Exclusions: LLB322
Subject Description: What role do material objects play in the law and legal processes? Property, symbols, documents, land and buildings all combine with law to be part of everday life. Law regulates use of these objects, while drawing on them for its own represenations and effectiveness. We are legal subjects in many senses: we act as willing subjects in living our lives: buying and selling, entering into contracts, making decisions. We are also subject to the law. In each of these areas our relationship with the material world is critical: bodies, property and space are all critical interfaces between objects and subjects.

LAW 330 Law of Employment

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (MGMT240) OR (LAW100 PLUS either COMM100 or LAW210) OR (LAW101and COMM100)
Co-requisites: None
Exclusions: LLB330
Subject Description: An overview of the rights and duties of individual employers and employees under common law and selected legislation, including: formation, content and termination of the contract of employment; implied duties of employers and employees; remedies at common law; statute-derived employment conditions; unfair dismissal legislation; unfair work contracts; occupational health and safety.

LAW 331 Intellectual Property Law

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: LAW101 or LAW210
Co-requisites: None
Exclusions: LLB331
Subject Description: This subject provides an overview of the field of intellectual property law commencing with an analysis of the 2 major and oldest forms of intellectual property - copyright and patents. The course then moves on to the methods of protecting business reputation both at common law/equity, and through the registration of trade marks. Other more recent forms of intellectual property are also covered, such as plant breeder's rights, designs and circuit layouts.

LAW 332 Labour Regulation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: LAW101 or LAW210
Co-requisites: None
Exclusions: LLB332
Subject Description: This subject examines the legal regulation of work and labour relations in Australia. After analysing ideas and methods underpinning regulation of the 'labour market' by law, the current system under the

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Workplace Relations Act (Workchoices amendments) will be studied by reference to the history of labour regulation in Australia (common law, compulsory arbitration), comparisons with other countries, and international law under the International Labour Organisation. The subject will study regulation of: institutions and relationships, standard minimum pay and conditions, grievance and dispute resolution (including unfair dismissal), individual and collective bargaining and agreements, regulation of trade unions, law of strikes and industrial action. Students will be assessed in this subject on their critical analysis and evaluation of complex issues, with a group research presentation, an individual research essay and a final exam.

LAW 334 Environmental Law

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: LAW100 or LAW101
Co-requisites: None
Exclusions: LAW380
Subject Description: The goal of this subject is to enable candidates to develop a basic, critical understanding of the law in relation to environmental management in Australia, with particular emphasis on NSW, including the limitations of legal instruments in achieving environmental management and policy objectives.

LAW 335 Anti-Discrimination Law

Not on offer in 2008
Credit Points: 6
Pre-requisites: LAW100 or LAW101
Co-requisites: None
Exclusions: LLB335
Subject Description: An analysis and appraisal of laws prohibiting discrimination in Australia on various grounds, including: sex, marital status, carer responsibilities, race, disability, age, sexual preference and transgender. Laws prohibiting harassment and vilification will also be examined. The subject includes exploration of the aims and social context of anti-discrimination legislation, as well as related concepts such as equal opportunity, social justice and affirmative action. Examination of processes for complaints, dispute resolution and enforcement, and powers of investigative and adjudicatory bodies.

LAW 343 International Law

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: LAW100 or LAW101
Co-requisites: None
Exclusions: Not to count with LLB343 or INTR900
Subject Description: Sources of international law; the relationship between domestic law and international law; the law of treaties; the structure of the international legal system; statehood, state jurisdiction, and state responsibility.

LAW 344 Indigenous Peoples and Legal Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: LAW100 or LAW101 or ABST100
Co-requisites: None
Exclusions: LLB344
Subject Description: This subject introduces the relationship between Indigenous and non-Indigenous laws and legal systems in Australia. It considers the nature and status of Aboriginal and Torres Strait Islander laws, exploring some of the specific legal issues of current relevance to Indigenous peoples in Australia. Topics include the impact of European colonisation, over-representation in the criminal justice system, land rights and native title, recognition of Indigenous law, and self-determination.

LAW 348 Media Law

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 72 cp including among completed subjects one of: (LAW100 and LAW210) or LAW101 or (COMS100 and COMS101 and LAW100) or other as may from time to time be approved
Co-requisites: None
Exclusions: LLB348
Subject Description: An introduction to the law affecting information (in the broadest sense of the term) gathering and dissemination, and to the policies and philosophies informing the legal protection of and restrictions on freedom of speech.

LAW 352 Advanced Taxation Law

Not on offer in 2008
Credit Points: 6
Pre-requisites: LAW315
Co-requisites: None
Exclusions: LLB362
Subject Description: In this subject students will be exploring selected aspects of income tax, capital gains tax, fringe benefits tax, the new goods and services tax and state taxes. The course is run on an instensive basis and features presentations from tax professionals and representatives from the Australian Tax Office and the NSW Office of State Revenue.

LAW 359 Corporate Governance

Not on offer in 2008
Credit Points: 6
Pre-requisites: LAW302
Co-requisites: None
Exclusions: LLB359
Subject Description: This subject will examine fundamental governance and regulatory issues. An emphasis will be placed on international and comparative corporate governance. Topics may include: theories of the corporation and their implications for corporate governance; the role of regulators in corporate governance; internal governance mechanisms; the role of shareholders, directors, management and auditors in corporate governance; directors' disclosure; insider trading; the role of institutional shareholders; the role of non-executive directors; the remuneration debate; the role of the market in corporate governance; corporate social and environmental responsibility

LAW 360 Foreign Investment Law in the People's Republic of China

Not on offer in 2008
Credit Points: 6
Pre-requisites: LAW100 or LAW101
Co-requisites: None
Exclusions: LLB360
Subject Description: An analysis of the laws and

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procedures regulating foreign investment in, and trade with, the PR.C. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation, customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.

LAW 365 International and Comparative Intellectual Property Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: LAW100, LAW210 and LAW 331 or LAW 343
Co-requisites: None
Exclusions: LLB365 or LLB9365
Subject Description: The subject will examine fundamental IP issues under the provisions of the major IP conventions, as well as domestic law of certain countries in Asia and the Pacific. Topics may include: the interface between IP protection and international trade; IP rights and parallel importation; the civil law concept of droit d'auteur ('author's right system') compared with 'copyright' in common law jurisdictions; IP evolving in cyberspace and access to and use of information technologies; the patenting of biotechnological products and processes, as well as socio-economic and ethical implications of biotechnological patenting; the protection of plant varieties and access to genetic resources and traditional knowledge; the patenting of pharmaceuticals and the problems relating to accessibility to medicines; the developing importance of geographical indications; the interface between competition law and IP law; protection of well-known marks; a comparative examination of the common law and civil law concepts of passing off and unfair competition; and WIPO Development Agenda.

LAW 380 Law For Environmental Managers

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 72 credit points in a discipline other than Law
Co-requisites: None
Exclusions: Not to count with LAW334
Subject Description: The goal of this subject is to enable candidates to develop a basic, critical understanding of the law in relation to environmental management in Australia, with particular emphasis on NSW, including the limitations of legal instruments in achieving environmental management and policy objectives.

LLB 100 Foundations of Law A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: LLB 110, LLB 120, LLB 130 and LLB 150
Subject Description: The subject introduces students to the legal system, legal terminology and legal concepts in a broader context and allows students to start thinking about the values law embodies, implicitly and explicity, and their relationship to society. This approach also enables students to reflect upon the law in theory and in practice, the knowledge needed to make sense of the difference and the skills needed to mediate it successfully. In addition, the subject provides opportunities to start practising the legal skills of statutory interpretation and case analysis which are fundamental to the study and practice of law. Finally, the subject requires students to reflect upon their own assumptions and values.

LLB 110 Legal Research and Writing

Autumn Wollongong On Campus
Credit Points: 4
Pre-requisites: None
Co-requisites: LLB 100 and LLB 120 and LLB 130 and LLB 150
Exclusions: LLB395
Subject Description: This subject introduces students to basic legal writing skills, legal terminology and legal concepts in a broader context which allows students to start thinking about the values law embodies, implicity and explicitly, and their relationship to society. This subject also introduces students to research & writing, skills relevant to law and to statistical literacies. The content and assessment of this subject are integrated with other first year subjects.

LLB 120 Law of Contract A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: LLB 100 and LLB 110 and LLB 130 and LLB 150
Subject Description: LLB 120 introduces students to the substantive law of contract. Using the casebook method, the legal principles governing formation of contract are examined in detail. Other topics covered include the equitable doctrine of promissory estoppel, the statutory requirement that some contracts be evidenced by writing and the effect of the doctrine of privity upon the enforcement of contractual promises. In examining these content areas, consideration is given to broader questions about the distinctive nature of contract and the role of contract law in society. Students are introduced to some of the more important theoretical and doctrinal debates in contract law and are encouraged to use those theoretical perspectives to enrich their understanding of, and critically assess, particular contractual doctrines and rules. Comparative material is also provided to ensure that students appreciate the influence of context on the development of legal rules.

LLB 130 Criminal Law and Process A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: LLB 100 and LLB 110 and LLB 120 and LLB 150
Subject Description: This subject introduces students to criminal law, including substantive rules that define offences and procedures associated with the operation of the criminal justice system. It adopts an interdisciplinary approach to the study of criminal law and procedure; that is, informed by historical, sociological, criminological, political, philosophical and economic perspectives, as well as conventional legal perspectives. Related to this approach, the subject does not examine substantive rules and procedures in isolation, but examines their 'on the ground' operation (including via examination of empirical data). In addition, the subject considers the broader context in which decisions about the criminalisation of different types of behaviour and the enforcement of criminal laws are made. Students are encouraged to

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see criminal law as only one of a variety of regulatory mechanisms, and to assess its merits relative to other methods of regulation. Topics include: criminalisation, the criminal process, components of criminal offences, public order offences, sentencing and punishment.

LLB 140 Advocacy Skills

Spring Wollongong On Campus
Credit Points: 2
Pre-requisites: 30 credit points LLB subjects at 100 level
Co-requisites: LLB 160 and LLB 170 and LLB 180 and LLB 190
Subject Description: Introduction to the principles of advocacy, professional responsibility and courtroom etiquette, and criminal procedure. Exercises include practice court submissions and the preparation of written submissions.

LLB 150 Communication Skills

Autumn Wollongong On Campus
Credit Points: 2
Pre-requisites: None
Co-requisites: LLB 100 and LLB 110 and LLB 120 and LLB 130
Exclusions: LLB 392
Subject Description: The skills of listening, observing, presenting ideas clearly in non-threatening and adversary contexts, and the differences between them; eliciting information; issues in cross cultural communication; difficulties in the use of interpreters and in eliciting information from children.

LLB 160 Foundations of Law B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 30 cp of 100 level LLB Subjects including LLB 100
Co-requisites: LLB 170 and LLB 180 and LLB 190 and LLB 140
Exclusions: LLB 200 or LLB222
Subject Description: The subject explores the sources of law, the application of law and ways of arguing the law. It aims to contribute to students' foundational understanding of law and its place in Australian society by encouraging social and philosophical analysis of key issues dealt with in other areas of the first year LLB program.

LLB 170 Law of Contract B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 30 cp of 100 level LLB Subjects including LLB 120
Co-requisites: LLB 160 and LLB 180 and LLB 190 and LLB 140
Subject Description: LLB 170 builds upon the material covered in LLB 120. It explores the content and application of the common law, equitable and statutory rules relating to enforceable agreements, and places those rules within their historical, social, economic and theoretical context. Topics covered include identifying and interpreting terms of a contract; performance and breach of contract, termination of contract, vitiating factors and contractual remedies. Specific attention is devoted to the relationship of common law and equity in the context of contractual obligations and remedies. Students draw upon historical and theoretical material introduced in LLB 120 in considering and evaluating the doctrines and legal rules covered in LLB 170.

LLB 180 Criminal Law and Process B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 30 cp of 100 level LLB Subjects including LLB 130
Co-requisites: LLB 160 and LLB 170 and LLB 190 and LLB 140
Subject Description: Building on the inter-disciplinary and 'in-context' foundation established by Criminal Law and the Process of Justice A, this subject examines a range of criminal law offences, including homicide, property offences, and drug offences, as well as selected defences, and rules relating to attempts, complicity and conspiracy. In addition to developing familiarity with relevant principles, rules and procedures for each of these topics, students will be will be required to evaluate existing rules and procedures and consider reform alternatives.

LLB 190 Lawyers and Australian Society

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 30 cp of 100 level LLB Subjects
Co-requisites: LLB 160 and LLB 170 and LLB 180 and LLB 140
Exclusions: LLB 311
Subject Description: The aim of this subject is to encourage an analytical and thoughtful approach to aspects of law, legal practice, ethics and values. This subject will develop an understanding of the role of lawyers in Australian society and an appreciation of the laws, rules and conventions that influence and govern legal practice. This subject falls into two parts. 1)the nature of professionalism and ethics; the 'legal profession', its regulation, and its rules of conduct; and how the law in practice realte to access to justice 2)a practial or clinical element, in which students can observe and participate in the practice and operation of the law, through the Professional Experience Placement Program. Each student must undertake 1 Placement of 20 working days of professional experience. The Placement is undertaken after the course work in the subject has been completed and in the final 2 years of the degree.

LLB 220 Property and Trusts A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB 170
Co-requisites: None
Exclusions: LLB 305
Subject Description: Consideration of the notion of property and interests in property; the distinctions between real, personal and intangible property; the notions of ownership, title and possession; legal and equitable interests in property (including the resulting and constructive trust); legal protection of property interests. The law of landlord and tenant, easements and covenants.

LLB 230 Public Law A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB100
Co-requisites: None

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Exclusions: LLB 308
Subject Description: The notion of the state and state power; limitations on state power; the constitutional structure of the Australian nation-state; the notion of division and separation of powers; mechanisms of accountability and control of government officials, including access to government information, the Ombudsman, merits review tribunals and judicial review.

LLB 240 Law of Torts

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB 170
Co-requisites: None
Exclusions: LLB 307
Subject Description: After a general introduction to legal and policy issues surrounding tort law, Students will commence with a study of the torts of trespass, nuisance and the action on the case for wilful injury. Students will then spend time considering the principles governing liability in negligence. Finally, students will consider the impact of statute law on common law tort principles, in particular the recent attempts to limit civil liability.

LLB 250 Drafting Skills

Spring Wollongong On Campus
Credit Points: 2
Pre-requisites: None
Co-requisites: LLB 270
Exclusions: LLB 393
Subject Description: The aim of this subject is to teach and reinforce the fundamental skills required to produce modern legal writing and drafting in professional legal practice in the private profession, or in the corporate or public sector. The skills focus is on planning, writing and reviewing legal documents such as letters and memoranda, and, in the main, property and commercial documents, with clarity of expression in plain language. An additional skills component in the subject is will drafting and the legislative, common law and equitable principles to be applied to estate succession.

LLB 260 Dispute Management Skills

Autumn Wollongong On Campus
Credit Points: 2
Pre-requisites: LLB 170
Co-requisites: None
Exclusions: LLB 391
Subject Description: This subject deals with the continuum of dispute resolution procedures available in legal practice, including litigation, with emphasis on the skills of negotiation and mediation.

LLB 270 Property and Trusts B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB 220
Co-requisites: None
Exclusions: LLB 306
Subject Description: The modern law of real property, including Torrens title, mortgages and co-ownership. Legal and equitable principles relating to the validity of gifts. The law of express trusts, including the powers and obligations of trustees, and remedies of the beneficiary for breach of trust.

LLB 280 Public Law B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB 230
Co-requisites: None
Exclusions: LLB 309
Subject Description: Division of power between Commonwealth and State legislatures; the structure and powers of State and Commonwealth governments, with special emphasis on the limitation of the legislative power of the Commonwealth; the place of the judiciary and judicial review of legislative power; Commonwealth and State fiscal powers; express and implied constitutional rights; constitutional change; the Constitution and Indigenous Australians.

LLB 290 Legal Theory

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects including LLB160
Co-requisites: None
Exclusions: PHIL270 or LLB312
Subject Description: This subject addresses a selection of issues in jurisprudence, including the nature of law, the basis for legal authority, the scope and limits of law, and the relationship between law, morality and values such as justice, liberty, pluralism, and autonomy.

LLB 300 Remedies and Procedure

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB210 and LLB307 OR LLB 170 and LLB 240
Co-requisites: None
Subject Description: The Remedies component of this subject explores the major legal and equitable remedies available in a civil action. These judicial remedies are considered according to the particular purpose or goal that they are intended to achieve, including compensation, punishment, restitution and coercion. In addition, some attention is given to non-judicial (or 'self help') remedies. The Civil Procedure component of the subject examines pre-trial procedure in civil actions in the Supreme Court of New South Wales. Topics covered include determining who may be a party to the proceedings; choosing originating process; serving court process; pleading; bringing proceedings to an early end; obtaining discovery and administering interrogatories.

LLB 301 Evidence

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB 304 and LLB 307 OR LLB 180 and LLB 240
Co-requisites: None
Subject Description: Students will be introduced to the rules relating to the sources and admissibility of evidence in civil and criminal trials. Topics will include the burden and standard of proof; the examination of witnesses; credibility, character and tendency evidence; documentary evidence; and the rules in relation to opinion evidence, hearsay, confessions and admissions; illegally obtained evidence; discretions and warnings.

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LLB 302 Law of Business Organisations

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB306 or LLB270
Co-requisites: None
Subject Description: The subject introduces the central concerns of a law of organisations, and of the law of business organisations, and the public policies informing the development of the Australian legal response. The range of organisations available for business and non-business purposes and their legal regulation are overviewed. Partnerships and companies and their legal regulations are considered in depth, including current policy issues.

LLB 303 Family, Children and Welfare

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: LAW303
Subject Description: The subject examines the legislative framework and common law principles applicable to both the legal recognition of relationships and the resolution of disputes arising from the breakdown of those relationships. Areas covered include: marriage; divorce; nullity; disputes in relation to children under the Family Law Act, 1975 (Cth); property and maintenance disputes for both married and non-married couples; child support and child maintenance; family violence under state and federal legislation; international abduction. The subject also looks at the related areas of state child welfare proceedings and adoption. The course examines what "family" means today and the challenges our legal system faces in dealing with this fluid concept and recognizing diverse family structures and relationships.

LLB 304 Criminal Law and the Process of Justice

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB100
Co-requisites: None
Exclusions: LAW304
Subject Description: This subject is an introduction to: concepts used in criminal laws; principles of criminal liability; major categories of offences and selected defences; and aspects of criminal procedure.

LLB 305 Property and Trusts A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB210
Co-requisites: None
Exclusions: LLB 220
Subject Description: Consideration of the notion of property and interests in property; the distinctions between real, personal and intangible property; the notions of ownership, title and possession; legal and equitable interests in property (including the resulting and constructive trust); legal protection of property interests. The law of landlord and tenant, easements and covenants.

LLB 306 Property and Trusts B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB305
Co-requisites: None
Exclusions: LLB270
Subject Description: The modern law of real property, including Torrens title, mortgages and co-ownership. Legal and equitable principles relating to the validity of gifts. The law of express trusts, including the powers and obligations of trustees, and remedies of the beneficiary for breach of trust.

LLB 307 Law of Torts

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB210
Co-requisites: None
Exclusions: LLB240
Subject Description: After a general introduction to legal and policy issues surrounding tort law, Students will commence with a study of the torts of trespass, nuisance and the action on the case for wilful injury. Students will then spend time considering the principles governing liability in negligence. Finally, students will consider the impact of statute law on common law tort principles, in particular the recent attempts to limit civil liability.

LLB 308 Public Law A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB100
Co-requisites: None
Exclusions: LLB230
Subject Description: The notion of the state and state power; limitations on state power; the constitutional structure of the Australian nation-state; the notion of division and separation of powers; mechanisms of accountability and control of government officials, including access to government information, the Ombudsman, merits review tribunals and judicial review.

LLB 309 Public Law B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB308
Co-requisites: None
Exclusions: LLB 280
Subject Description: Division of power between Commonwealth and State legislatures; the structure and powers of State and Commonwealth governments, with special emphasis on the limitation of the legislative power of the Commonwealth; the place of the judiciary and judicial review of legislative power; Commonwealth and State fiscal powers; express and implied constitutional rights; constitutional change; the Constitution and Indigenous Australians.

LLB 311 Lawyers and Australian Society

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB304
Co-requisites: LLB210
Exclusions: LLB190
Subject Description: This subject falls into two parts. 1) the nature of professionalism and ethics; the 'legal profession', its regulation, and its rules of conduct; and how the law in practice relates to access to justice. 2) a practical or clinical element, in which students can

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observe and participate in the practice and operation of the law, through the Professional Experience Placement Program. Each student must undertake 2 placements the first of 20 working days of professional experience and the second of 30 hours of pro bono legal work. The Placement Program is usually undertaken after the Course work in the subject has been completed.

LLB 312 Legal Theory

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects including LLB222
Co-requisites: None
Exclusions: PHIL270 or LLB290
Subject Description: This subject addresses a selection of issues in jurisprudence, including the nature of law, the basis for legal authority, the scope and limits of law, and the relationship between law, morality and values such as justice, liberty, pluralism, and autonomy.

LLB 313 Legal Research Project A

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: A supervised research paper of no more than 10,000 words on a subject selected by the student and agreed with a supervisor by week 4 of the session of enrolment.

LLB 316 Occupational Health and Safety Law

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: LAW316
Subject Description: This subject is concerned with the study of the legal regime governing health, safety and welfare of people at work in New South Wales. Its focus will be the Occupationl Health and Safety Act 2000 and the Occupational Health and Safety Regulations 2001.

LLB 317 E-Commerce Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB Subjects
Co-requisites: None
Exclusions: LAW317
Subject Description: The subject explores some of the more significant legal and regulatory issues and developments that e-commerce gives rise to. The main perspective is that of the on-line business and its risk management needs for achieving business success. This brings the interests of suppliers consumers and regulators into focus. We begin with an overview of the cyber-marketplace and relevant public policy considerations. Then we adopt a timeline approach focusing on those issues and developments most relevant at start up and once the business opens for on-line trading. Start up introduces intellectual property law, privacy and transactional security issues and responses. On-line trading raises identity, contract, consumer protection, payment systems and jurisdictional issues and responses. Finally, we turn to an area for special study. Students will be invited to select that area, for example from among the issues and developments relating to the infrastructure constituting the cyber-marketplace.

LLB 320 Commercial and Consumer Contracts

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: The special rules relating to common commercial contracts, such as contracts of agency, contracts for the sale of goods, insurance contracts, and contracts of carriage; statutory restrictions on contracts.

LLB 321 Banking Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects, including LLB306 and LLB302
Co-requisites: None
Exclusions: LAW 321
Subject Description: LLB321 Banking Law is designed to develop in students a sound understanding of the law governing financial institutions in Australia, and the manner in which these institutions are regulated. The relationship between financial institutions and their customers will be examined, along with the impact of recent technological developments on this relationship and on the business of banking. The law dealing with cheques and other negotiable instruments will be discussed in detail. The issue of security for transactions with financial institutions will be analysed, along with the position of banks as creditors when a customer becomes bankrupt.

LLB 322 Objects and Subjects: Law, Things and Everyday Life

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: LAW 322
Subject Description: What role do material objects play in the law and legal processes? Property, symbols, documents, land and buildings all combine with law to be part of everday life. Law regulates use of these objects, while drawing on them for its own represenations and effectiveness. We are legal subjects in many senses: we act as willing subjects in living our lives: buying and selling, entering into contracts, making decisions. We are also subject to the law. In each of these areas our relationship with the material world is critical: bodies, property and space are all critical interfaces between objects and subjects.

LLB 330 Law of Employment

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: LAW330
Subject Description: An overview of the rights and duties of individual employers and employees under common law and selected legislation, including: formation, content and termination of the contract

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of employment; implied duties of employers and employees; remedies at common law; statue-derived employment conditions; unfair dismissal legislation; unfair work contracts; occupational health and safety.

LLB 331 Intellectual Property Law

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: LAW331
Subject Description: This subject provides an overview of the field of intellectual property law commencing with an analysis of the 2 major and oldest forms of intellectual property - copyright and patents. The course then moves on to the methods of protecting business reputation both at common law/equity, and through the registration of trade marks. Other more recent forms of intellectual property are also covered, such as plant breeder's rights, designs and circuit layouts.

LLB 332 Labour Regulation

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: LAW332
Subject Description: This subject examines the legal regulation of work and labour relations in Australia. After analysing ideas and methods underpinning regulation of the 'labour market' by law, the current system under the Workplace Relations Act (Workchoices amendments) will be studied by reference to the history of labour regulation in Australia (common law, compulsory arbitration), comparisons with other countries, and international law under the International Labour Organisation. The subject will study regulation of: institutions and relationships, standard minimum pay and conditions, grievance and dispute resolution (including unfair dismissal), individual and collective bargaining and agreements, regulation of trade unions, law of strikes and industrial action. Students will be assessed in this subject on their critical analysis and evaluation of complex issues, with a group research presentation, an individual research essay and a final exam.

LLB 334 Environmental Law

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: Not to count with LAW334 or LLB3911
Subject Description: The goal of this subject is to enable candidates to develop a basic, critical understanding of the law in relation to environmental management in Australia, with particular emphasis on NSW, including the limitations of legal instruments in achieving environmental management and policy objectives, the assessment of development proposals adn the role of teh Land & Environment Court.

LLB 335 Anti-Discrimination Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB Subjects
Co-requisites: None
Exclusions: LAW335
Subject Description: An analysis and appraisal of laws prohibiting discrimination in Australia on various grounds, including: sex, marital status, carer responsibilities, race, disability, age, sexual preference and transgender. Laws prohibiting harassment and vilification will also be examined. The subject includes exploration of the aims and social context of anti-discrimination legislation, as well as related concepts such as equal opportunity, social justice and affirmative action. Examination of processes for complaints, dispute resolution and enforcement, and powers of investigative and adjudicatory bodies.

LLB 337 Comparative Studies in Law

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: A comparison of the French civil law with the common law of England and Australia, with the objective of developing an appreciation of different legal systems and approaches.

LLB 339 Advanced Criminal Law and Procedure

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects including LLB304
Co-requisites: None
Subject Description: This subject critically examines the role of the criminal justice system in the regulation of individual and organisational behaviour. Selected alternatives to conventional 'command and control' regulation, and traditional criminal punishment are explored.

LLB 341 Revenue Law

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: Revenue Law, or taxation law, is one of the highly technical fields of law bringing together economic, accounting and financial concepts into a legal construct for the determination of how the costs of good government are to be shared among the members of society. Taxation pervades everyone's life in some way, whether in the form of income tax, for instance, or some form of consumption or other tax like the GST. LLB341 is confined to the Income Tax Assessment Act (1936/97), the Fringe Benefits Tax Assessment Act and associated legislation. These fields alone provide more than enough content for a one semester subject, but are essential for those students seeking registration as CPAs or Chartered Accountants after completing a combined Commerce/Law degree.

LLB 343 International Law

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: LAW343 or INTR900
Subject Description: Sources of international law; the

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relationship between domestic law and international law; the law of treaties; the structure of the international legal system; statehood, state jurisdiction, and state responsibility.

LLB 344 Indigenous Peoples and Legal Systems

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 Credit points of LLB subjects
Co-requisites: None
Exclusions: LAW344
Subject Description: This subject is an introduction to the relationship between Indigenous and non-Indigenous laws and legal systems in Australia. It considers the nature and status of Aboriginal and Torres Strait Islander laws, and explores some of the specific legal issues of current relevance to Indigenous peoples in Australia. Topics include the impact of European colonisation, over-representation in the criminal justice system, land rights and native title, recognition of Indigenous law, and self-determination.

LLB 348 Media Law

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: LAW348
Subject Description: The media plays an increasingly significant role in informing and constituting our society. The subject studies the main areas of Australian law that particularly affect the media and the diverse and competing public policy considerations that do or might justifiably underlie and shape that law.

LLB 349 Feminism and Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: This subject introduces the major themes in feminist thought and modes of contemporary feminist scholarship and applies them to law, legal institutions and the practice of law in Australia. It provides a foundation for future analysis of substantive and procedural law by students and subjects the institutions of law and their practitioners to scrutiny from a feminist perspective.

LLB 350 Special Study in Law A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects and permission of Dean or Sub-Dean
Co-requisites: None
Subject Description: International and Comparative Indigenous Legal Issues

LLB 351 Special Study in Law B

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects and permission of Dean or Sub-Dean
Co-requisites: None
Subject Description: A study in depth of a selected area of law.

LLB 352 Jessup International Law Moot

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects and permission of Dean or Sub-Dean
Co-requisites: None
Subject Description: The subject is to support the University's participation in the Phillip C. Jessup International Law Moot. The Jessup Moot is the largest mooting competition in the world. It typically attracts upwards of 500 law schools, and has operated for in excess of 40 years. The competition is based around a single international law problem, which teams prepare cases for both the application and respondent States. The problem is usually in excess of 10 pages in length, and raises many extreme complex legal issues. The competition takes place in two phases. All teams prepare written submissions, called memorials, for each side of the problem. The memorials are limited to 25 pages in length, and are submitted in January. In any given moot, the memorials are worth one third of the available points. In addition, oral submissions are made by two team members, over 45 minutes, during which time they may be interrupted by questions from a bench of three judges. The team with the highest combined scores for memorials and oral submissions wins a particular moot. The size and scope of the problem means that it is not practical for an individual to ever become familiar with the entire problem in the time provided. As such, teams consist of up to five individuals. In Australia, these teams work on the problem over the summer, usually commencing work immediately following the final examinations.

LLB 354 Human Rights Law

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB Subjects
Co-requisites: None
Subject Description: This subject introduces students to public international human rights law. It examines the major human right instruments and the major monitoring and enforcement procedures of the United Nation System.

LLB 355 Bankruptcy and Corporate Insolvency Law and Practice

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects including LLB302
Co-requisites: None
Subject Description: In the wake of numerous recent and high profile 'corporate collapses', the subject will seek to give students an insight into the legal principles governing the consequent 'mopping-up' that must follow. The course will examine the duties of directors and companies in the period leading up to a corporate collapse and, will consider the position of creditors, employees and shareholders of the insolvent entity following the collapse. The role and duties of the various forms of administrator that may be appointed to an inolvent entity and the effect that such an appointment has on all who are involved with the entity will also be examined. Finally, the equivalent issues arising in relation to personal insolvency will be addressed.

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LLB 356 Insurance Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: This course will provide students with an introduction to the general principles of insurance law. It will include an overview of the legislation that relates to insurance, particularly the Insurance Contracts Act 1984 (Cth), and the legislation that regulates the insurance industry, particularly Chapter 7 of the Corporations Act 2001 (Cth) and the Insurance Act 1973 (Cth), as well as an examination of the common law relating to insurance law. There will also be a consideration of the fundamental principles in insurance law such as the duty of utmost good faith, the duty of disclosure, double insurance, contribution, subrogation and reinsurance. This course is taught with an emphasis on the practical application of the principles of insurance law. Therefore, the fundamental principles will be considered in a practical context. In addition, there will be a consideration of various insurance policies, standard policy conditions and exclusions as well as indemnity issues. The course will also include an examination of insurance law in a dispute resolution framework in terms of the nature of insurance disputes, dispute resolution mechanisms and insurance litigation.

LLB 357 Conflict of Laws

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB210 and LLB307
OR LLB170 and LLB240
Co-requisites: None
Subject Description: This elective subject will provide an overview of the legal principles that apply when a court in New South Wales (or a court exercising federal jurisdiction) hears a matter that involves events occurring, or persons resident, outside New South Wales (or in the case of a court exercising federal jurisdiction, outside Australia). These principles cover three main areas: (i) jurisdiction - in what circumstances will the forum court deal with a matter involving a "foreign" element?; (ii) choice of law - if the forum court does take jurisdiction, what law will it apply to dispose of the matter?; and (iii) foreign judgments - in what circumstances will a foreign judgment be recognised within the forum? The subject will consider the particular constitutional and statutory principles that apply to intra-Australian conflicts. Although conflict of laws principles apply to every area of private law, special attention in this subject will be given to the areas of tort, contract and family law.

LLB 358 Marine Resources Law

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of
LLB subjects including LLB308
Co-requisites: None
Subject Description: This elective subject will provide an overview of the legal rules that have developed to protect the marine environment. The subject will focus on the following areas: (i) the policy arena of marine environmental law (eg the application of sustainable development principles to the management of living marine resources); (ii) the philosophical underpinnings of access and control of marine resources (eg the public right to fish, "proprietary interests" in marine resources); (iii) international fisheries laws; (iv) the constitutional division of power for marine resource management; and (v) specific areas of topicality and legal uncertainty (eg marine protected areas, aquaculture development, offshore native title, enforcement issues).

LLB 359 Corporate Governance

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB
subjects including LAW 302
Co-requisites: None
Exclusions: LAW302
Subject Description: This subject will examine fundamental governance and regulatory issues.
An emphasis will be placed on international and comparative corporate governance. Topics may include: theories of the corporation and their implications for corporate governance; the role of regulators in corporate governance; internal governance mechanisms; the role of shareholders, directors, management and auditors in corporate governance; directors' disclosure; insider trading; the role of institutional shareholders; the role of non-executive directors; the remuneration debate; the role of the market in corporate governance; corporate social and environmental responsibility

LLB 360 Foreign Investment in the People's Republic of China

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: An analysis of the laws and procedures regulating foreign investment in, and trade with, the PRC. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation, customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.

LLB 362 Advanced Revenue Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of
LLB subjects including LLB341
Co-requisites: None
Subject Description: In this subject, students will be exploring selected aspects of income tax, capital gains tax, fringe benefits tax, the new goods and services tax and state taxes. The course is run on an intensive basis and features presentations from tax professionals, the Australian Tax Office, and the NSW Office of State Revenue.

LLB 363 Advanced Family Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB 303
Co-requisites: None
Subject Description: LLB 303 Families Children and Welfare introduced students to the main legislative provisions, case law, principles and key issues in the area of family law. This subject builds on the content

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of LLB 303. It will look at some of the more complex topics covered in that subject in more detail and examine the interaction between family law and wider social issues as well as its interaction with other areas of law. LLB 363 will also involve critical analysis of the way Family Law is dealt with in Australia and give comparison with other jurisdictions.LLB 363 Advanced Family Law will focus on:- current issues in family law including recent legislative changes, self-represented litigants, relocation and other specific issues.- the family law's impact on and interaction with wider social issues.- the link between family law and other areas of substantive law including taxation law and social security law.- the role and duties of family lawyers.- critical examination of the family law legislative framework and identification of possible reform.- comparison of Australian family law with family law in other countries.

LLB 364 Islamic Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: This subject is designed as an elective subject for students in the latter years of their LLB studies. In the context of globalisation. There are over 1.4 billion Muslims today world-wide, over 20% of the world's population. There are 35 nations with population over 50% Muslim, and there are another 21 nations that have significant Muslim populations. Over 50 % of the world's Muslim population is in Australia's 'neighbour' region - Asia. In the context of a post-September 11 2001 globalised world, it is important that LLB students have the opportunity to develop their understanding of Islamic law - one of the most significant non-common law legal system in the world. This subject will allow students to better understand the current 'War on Terror' by illuminating one of the contexts ¿ that of Islamic law ¿ within which violent Islamist extremists claim justification for terrorist acts (falsely according to most Muslims). The subject will also facilitate understanding of how Islamic law operates in selected Southeast Asian countries with which Australia has economic, political, security and regional networks. In light of the progressive emergence of the global market, it is importance for law students to extend their knowledge of other legal systems.

LLB 365 International and Comparative Intellectual Property Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: 48 Credit Points LLB Subjects
Exclusions: LAW365, LLB9365
Subject Description: The subject will examine fundamental IP issues under the provisions of the major IP conventions, as well as domestic law of certain countries in Asia and the Pacific. Topics may include: the interface between IP protection and international trade; IP rights and parallel importation; the civil law concept of droit d'auteur ('author's right system') compared with 'copyright' in common law jurisdictions; IP evolving in cyberspace and access to and use of information technologies; the patenting of biotechnological products and processes, as well as socio-economic and ethical implications of biotechnological patenting; the protection of plant varieties and access to genetic resources and traditional knowledge; the patenting of pharmaceuticals and the problems relating to accessibility to medicines; the developing importance of geographical indications; the interface between competition law and IP law; protection of well-known marks; a comparative examination of the common law and civil law concepts of passing off and unfair competition; and WIPO Development Agenda.

LLB 366 Animal Law

Spring Wollongong
On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB Subjects including LLB308
Co-requisites: None
Subject Description: This subject commences with a critical examination of the status of nonhuman animals as property and the various theories that underpin the distinction between animal welfare and animal rights. Against this background, State and federal laws in relation to animals are reviewed, with a focus on the complex regulatory framework that governs animal welfare. With respect to the latter, a key issue is the operation of codes of practice developed by State/federal Ministerial Councils. The enforcement of animal welfare laws is also explored, including the strengths and weaknesses of a charitable organisation, the RSPCA, acting as the main law enforcement body. Although the emphasis is on Australian law, some overseas developments are considered.

LLB 391 Dispute Management Skills

Autumn Wollongong
On Campus
Credit Points: 2
Pre-requisites: LLB 210
Co-requisites: None
Exclusions: LLB 260
Subject Description: This subject deals with the continuum of dispute resolution procedures available in legal practice, including litigation, with emphasis on the skills of negotiation and mediation.

LLB 392 Communication Skills

Not on offer in 2008
Credit Points: 2
Pre-requisites: LLB100
Co-requisites: None
Exclusions: LLB150
Subject Description: The skills of listening, observing, presenting ideas clearly in non-threatening and adversary contexts, and the differences between them; eliciting information; issues in cross cultural communication; difficulties in the use of interpreters and in eliciting information from children.

LLB 393 Drafting Skills

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 2
Pre-requisites: None
Co-requisites: LLB306
Exclusions: LLB250
Subject Description: The aim of this subject is to teach and reinforce the fundamental skills required to produce modern legal writing and drafting in

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professional legal practice in the private profession, or in the corporate or public sector. The skills focus is on planning, writing and reviewing legal documents such as letters and memoranda, and in the main, property and commercial documents, with clarity of expression in plain language. An additional skills component in the subject is will drafting and the legislative, common law and equitable principles to be applied to estate succession.

LLB 394 Advocacy Skills

Spring Wollongong On Campus
Credit Points: 2
Pre-requisites: None
Co-requisites: LLB 304
Exclusions: LLB140
Subject Description: Introduction to the principles of advocacy, professional responsibility and courtroom etiquette, and criminal procedure. Exercises include practice court submissions and the preparation of written submissions.

LLB 396 Professional Practice

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects, including LLB391, LLB392, LLB393, LLB394, LLB311 or LLB 260, LLB 150, LLB 250, LLB 140, LLB 190
Co-requisites: None
Exclusions: LLB843
Subject Description: This subject builds on the LLB core legal skills program. Provides an opportunity to further develop professional knowledge and skills. The subject contains nine modules: Professional Responsibility and Competent Practice; Problem Analysis; Dispute Resolution; Cross-Cultural Communication; Electronic Research; Writing and Drafting; Introduction to Conveyancing Practice; Introduction to Litigation Practice. Students who complete this subject will be given advanced standing towards LLB 843, a subject undertaken as part of the Graduate Diploma in Legal Practice.

LLB 424 Joint Research Honours in Law and Another Discipline

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: Completed requirements to qualify for the LLB with a WAM of at least 70
Co-requisites: A 24 credit point Joint Honours program in another Faculty or CREA402
Subject Description: Students may gain Joint Honours by Research in the LLB and their other degree by completing this subject, an add-on Honours year. The program involves submission of a jointly supervised research thesis on a topic agreed between the Faculties, and written and oral presentations of intermediate tasks, including a research proposal and work in prgress seminars. Joint Honours students attend certain seminars from the Honours pogram of each Faculty, determined by the Honours Coordinators of both academic units before the commencement of the first session of enrolment.

LLB 448 Research Honours in Law

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: Completed requirements to qualify for the LLB with a WAM of at least 70
Co-requisites: None
Subject Description: Students may gain Honours by Research in the LLB program by completing this subject, an add-on Honours year. The program involves submission of a supervised research thesis, and written and oral presentations of intermediate tasks, including a research proposal and work in progress seminars. Honours students join postgraduate research students for a seminar course run in Autumn session each year. This program introduces students to conceptual and methodological issues involved in developing and carrying out a project in a law related area of research. A coursework component may be included in individual cases.

LLB3911 Introduction to Natural Resources Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: Not to count with LLB334. Enrolment in this subject must be approved by the subject co-ordinator.
Subject Description: Ownership of natural resources; the implications of the Commonwealth/ State division of legislative powers for natural resources regulation; the historical development and structure of natural resources law; overlaps between regulatory authorities; forward planning and development control; environmental impact assessment law; the law relating to pollution and waste disposal.

LLB3913 Resources Decision-Making

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: Bureaucratic decision making processes; cost-benefit analysis; risk assessment; environmental impact assessment; public participation in decision-making processes; the role of the courts and adversarial methods of dispute resolution; public inquiries and other alternative forms of dispute resolution; scientific and legal forms of proof.

LLB3914 Mining Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects including LLB334
Co-requisites: None
Subject Description: Ownership of minerals; the distinction between mining and extractive industry; exploration and mining titles under the mining and coal mining legislation; security of title; the relationship between mining legislation and environmental planning and assessment legislation.

LLB3918 Law of Land and Nature Conservation

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects including LLB334
Co-requisites: None

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Subject Description: The law relating to the use and conservation of native vegetation, including the setting up and management of special conservation areas, forestry in State forests and on privately owned land, agricultural land clearing. The law relating to the protection and exploitation of native fauna, including endangered species legislation and the law relating to access to genetic resources. The law relating to land degradation.

LLB3919 Water Resources Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects including LLB334
Co-requisites: None
Subject Description: The law relating to the allocation of inland waters, including the licensing system and water rights, irrigation, domestic supply, regulation of activities on flood plains and extractive industries in watercourses, and catchment management. The law relating to the control of diffuse pollution.

LLB3920 Local Government Law and the Neighbourhood Environment

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: The development of local government in Australia. The law relating to the constitution, functions and powers of local government in terms of the ability of local government to assess and control development on private land and council land. Relations between local and higher levels of Government. The law relating to environmental planning and assessment by local government authorities. The financial context in which local government operates. The role of local government in regional context.

LLB3921 Marine Resources Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Exclusions: This subject is not available to students who have completed LLB334 Environmental Law
Subject Description: The legal regulation of the resources of the sea under the United Nations Convention on the Law of the Sea 1982 and its associated instruments, in particular, living resources in the exclusive economic zone (fisheries), non-living resources on the continental shelf (hydrocarbons); high seas fishing, sea-bed mining and ocean thermal energy. Analysis of domestic issues in the implementation of the international regime, within a multiple use conceptual framework.

LLB3923 Law of the Sea

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: The evolving law of the sea from an historical perspective. The 1982 United Nations Convention on the Law of the Sea (LOSC) and its associated instruments. Maritime zones of jurisdiction and the navigational regime under LOSC. The major factors influencing the development of the law of the sea; the various interests involved in the law of the sea and how LOSC attempts to balance these interests.

LLB3924 International Environmental Law

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: The relevant legal rules at the international level designed to protect the global environment. The historical development of these rules and the institutional framework within which they are made and enforced. The weaknesses of international environmental law, focusing on problems of domestic implementation.

LLB3927 Natural Resources Law Review

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects and approval the subject co-ordinator.
Co-requisites: None
Subject Description: Writing and editing of academic papers for the Australasian Journal of Natural Resources Law and Policy, a biannual publication by the Faculty of Law and distributed worldwide. Student will work in consultation with the Managing Editor and the subject co-ordinator.

LLB3929 Special Studies in Natural Resources Law II

Not on offer in 2008
Credit Points: 8
Pre-requisites: 48 credit points of LLB subjects
Co-requisites: None
Subject Description: A study in depth of a selected area of Natural Resources Law.

SOC 244 Punishment: Purpose, Practice, Policy

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 36cp at 100 level
Co-requisites: None
Subject Description: Why do we punish those who break the law; what benefit is gained, and for whom, from imprisonment and other forms of criminal justice sanctions? Are jails for retribution, rehabilitation, deterrence, revenge, a symbol of control or order, a way to make us feel superior? Once some the reasons or justifications for punishment are addressed we look at some of the multiple ways to punish offenders and some policy options that can, or cannot make a difference. The course is an investigation into the more general issue of what we as a society get out of punishment and what it costs each of us, ie the differential impact of punishment on various sections of society.

SOC 349 Governing Society, the Self and the Social

Not on offer in 2008
Credit Points: 8
Pre-requisites: 16cp at 200-level
Co-requisites: None

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Subject Description: How are your everyday practices governed or is being governed only for those who need it, those who transgress like deviants, the mentally ill, criminals, youth 'gangs', dole 'bludgers', welfare 'cheats', etc? Do we only experience government through institutions and their processes, for example, medicine, law and social security? The theory of governance or governmentality (how the social is governed) practices of self (how we govern our self) and neo-liberalism (the politics through which society is governed) will be used to address these questions. The theories will be linked to a number of current issues, for example, self-esteem, crime prevention, pumping iron at the gym and unemployment.

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Faculty of Science

Member Units

School of Biological Sciences

School of Chemistry

School of Earth and Environmental Sciences

Degrees Offered

Bachelor of Science

Bachelor of Science Advanced (Honours)

Bachelor of Science (Honours)

Bachelor of Marine Science

Bachelor of Marine Science Advanced (Honours)

Bachelor of Marine Science (Honours)

Bachelor of Biotechnology

Bachelor of Biotechnology Advanced

Bachelor of Environmental Science

Bachelor of Environmental Science Advanced

Bachelor of Medicinal Chemistry

Bachelor of Medicinal Chemistry Advanced

Bachelor of Nanotechnology

Bachelor of Nanotechnology Advanced

International Bachelor of Science (Honours)

Double Degrees

Bachelor of Science - Bachelor of Arts

Bachelor of Science - Bachelor of Commerce

Bachelor of Science - Bachelor of Laws (see Faculty of Law)

Bachelor of Computer Science - Bachelor of Science (see Faculty of Informatics)

Bachelor of Communication and Media Studies – Bachelor of Science (see Faculty of Arts)

Bachelor of Creative Arts - Bachelor of Science (see Faculty of Creative Arts)

Bachelor of Engineering (Faculty of Engineering majors) - Bachelor of Science (See Faculty of Engineering)

Bachelor of Engineering (Faculty of Informatics majors) – Bachelor of Science (See Faculty of Informatics)

Bachelor of Journalism - Bachelor of Science (See Faculty of Creative Arts)

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/index.html

International - www.uow.edu.au/prospective/international/fees/

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Faculty of Science Rules

All students enrolled in Faculty of Science degrees should note that:

1. they must satisfy the minimum mathematics requirement for all degrees offered by the Faculty of Science as set out in the Course Rules; (only candidates majoring in Human Geography are exempted from this rule)
2. a clear Pass (not a Pass Restricted/Pass Conceded grade) is required in a pre-requisite subject to progress to a higher level subject in disciplines within the Faculty of Science unless that pre-requisite is waived by the relevant Head of School for a particular student in special circumstances;
3. a student must pass at least 24 credit points of 300-level subjects which form part of a Science major;
4. a student must pass the subjects listed as core at 300-level in a 3-year degree to graduate with that degree;
5. only 60 credit points of 100-level subjects may be counted towards a degree; and
6. a student must complete a minimum of 32 credit points at 300-level for all degrees offered by the Faculty of Science.

Note: Students may obtain a copy of the Science Students' Guide from the Faculty Office, Room 41.258.

Bachelor of Science

Testamur Title of Degree:	Bachelor of Science
Abbreviation:	BSc
Home Faculty:	Science
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757620, 757621
CRICOS Code:	003283D

Overview

Students may gain a comprehensive education in Science by selecting a major study and a range of elective subjects. The major studies areas are Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology and Geosciences. Other interdisciplinary majors are Biotechnology, Ecology, Environment, Land and Heritage Management, Medicinal Chemistry and Nanotechnology.

The flexible structure of the major and electives allows students to design their study program to meet their particular interests and abilities. Students may combine their chosen Science major with a second major in Science, or an approved major chosen from outside the Faculty, or with a range of elective subjects.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 75 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Mathematics and any two units of Science. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Mid-year entry for the Bachelor of Science (Biological Sciences, Biotechnology, Ecology, or Environment) must be in consultation with the relevant Head of the School.

Course Requirements

Bachelor of Science requirements fall into one of three categories, as follows:

1. At least one major chosen from disciplines located in the Faculty of Science. A major study consists of at least 90 credit points from the Science Schedule of which at least 60 credit points are from one of the Faculty of Science disciplines: Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology, Geosciences. The balance of 54 credit points (to a degree total of 144) may be chosen from either the Science Schedule or General Schedule and may include a second major or a selection of complementary or contrasting subjects, or other subjects with the approval of the Dean or Associate Dean. A minimum of 32 credit points at 300-level is required.
2. One major from within the Faculty of Science and an approved co-major from outside the Faculty. In this category, where an approved major is combined with a Science major, the requirement of at least 90 credit points from the Science Schedule is waived.

Note: Students wishing to undertake a major program involving a discipline outside of the Faculty of Science, as in 2 above, must first obtain approval from the relevant Head of School and verify their planned study program.

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3. One of the six interdisciplinary, prescribed majors, as follows: Biotechnology, Ecology, Environment, Land and Heritage Management, Medicinal Chemistry, Nanotechnology

For the Bachelor of Science (Physics): Refer to the Faculty of Engineering.

Honours

Students with a good academic record, particularly in third year, are encouraged to proceed to the Honours year in the discipline of their major. The Honours year is a fourth year of study that provides training in independent research.

Major Study Areas

Flexible (UAC Code 757621):

Biological Sciences

Chemistry

Geology

Geosciences

Human Geography

Physical Geography

Prescribed (UAC Code 757620):

Biotechnology

Ecology

Environment

Land and Heritage Management

Medicinal Chemistry

Nanotechnology

Other Information

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259. Students who have not declared a major should seek advice from the Associate Dean. Students who have declared a major should contact an Academic Advisor in the relevant School.

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

Flexible Majors

Bachelor of Science (Biological Sciences)

The general aim of the courses offered by the School of Biological Sciences is to provide students, regardless of previous background, with a basic understanding of the major principles, concepts and technologies of modern Biology. A major in Biological Sciences can be taken in the fields of biochemistry, molecular biology, cell biology, immunology, comparative physiology, terrestrial ecology, marine biology, evolutionary biology and environmental biology.

Major Study

First year (BIOL103, 104) is a general, self-contained introduction to Biology as well as essential background for future years. Students wishing to major in Biological Sciences must also take both first year Chemistry subjects. Students are required to take four 200-level Biological Sciences subjects selected from the seven available. Note prerequisites for third year subjects when selecting the combination of second year subjects. Students proceeding to a Biological Sciences major are strongly encouraged to take more than the minimum array of Biological Sciences subjects, especially at second year.

Second Majors

Second majors with other Academic Units are also available. In particular, students interested in Biochemistry may take a second major in Chemistry; students interested in Ecology should consider a second major in Physical Geography; and students interested in comparative physiology should consider subjects from the Health and Behavioural Sciences schedule.

Subjects		Session	Credit Points
100-Level			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
	Total for major at 100-level		24

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MATH151	General Mathematics 1A (if required)	Autumn or Summer	6

Note: Students wishing to take MARE200 should note that either EESC102: Earth Environments and Resources or EESC112: Landscape Change and Climatology is required as a prerequisite in addition to BIOL104 and CHEM102.

200-Level

24 credit points from the following Biological Sciences subjects plus Statistics

BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
MARE200	Introduction to Oceanography	Autumn	6
STAT252	Statistics for Natural Sciences	Spring	6
	Total for major at 200-level		30

Note: When selecting 200-level subjects students should note the pre-requisites required for the 300-level subjects they wish to take. For example, students wishing to take MARE300 should note that either BIOL351 or BIOL355 is required as a prerequisite in addition to STAT252.

300-Level

All students majoring in Biological Sciences must take at least three 300-level subjects from the following lists. Recommended subject combinations are as follows:

Option 1: Choose any three subjects from the following five subjects:

BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL321	Infection and Immunity	Spring	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8

Option 2: Choose any three subjects from the following four subjects:

BIOL332	Ecological and Evolutionary Physiology	Autumn	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
MARE300	Fisheries and Aquaculture	Spring	8

Students interested in including subjects outside of these combinations should discuss their choices with an Academic Advisor.

Total for major at 300-level	24
Sub-total for major	78
Plus additional subjects chosen from the Science Schedule	12
Total for major	90
Plus elective subjects chosen from the Science or General Schedules	54
Degree Total	144

Honours

Students may apply to enrol in an Honours degree, Bachelor of Science (Honours) (741), after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is normally a credit average in a Biological Sciences major. Admission to Honours is by recommendation of the Head of School and approval of the Dean or Associate Dean.

Other Information

Notes on Biological Sciences major:

1. A fourth Biological Sciences 200-level subject may be waived for students taking a double major.
2. A Mathematics or Statistics subject acceptable to the School of Biological Sciences may be substituted for STAT252.
3. STAT252 may be waived for some programs combining 300-level Biological Sciences and another approved

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discipline.

Advanced Biology (BIOL392) is an 8-credit point project-based subject and Advanced Biology (BIOL391) is a 16-credit point project-based subject. These two subjects are available for high-achieving students wishing to complement their coursework with research projects. Entry into these subjects is by permission of the Coordinator and requires a distinction average or higher performance in subjects pertinent to the intended area of research, as approved by the Head of School.

Critical Issues in Research (BIOL394) is an 8-credit point seminar-based subject which provides an opportunity for high-performing students to engage in critical discussions of research topics being undertaken by academic staff in Biological Sciences. Students enrolling in this subject must have a distinction or higher average in Biological Sciences subjects and approval by the Head of School.

An elective subject, MARE357 - Advances in Molluscan Biology, is offered in Summer Session for students wishing to gain additional field experience.

The Degree Coordinator is Dr Mark Dowton - School of Biological Sciences, Room 35.108A, telephone (02) 4221 5653.

Bachelor of Science (Chemistry)

Chemistry is the study of the molecular nature of all matter and its interactions. The relationship between its structure and a molecule's properties and reactivity give chemistry an essential, central position in science and technology. An understanding of chemistry is needed for the full gamut of technology-based disciplines from solid-state physics and astro-physics to molecular biology and the life sciences; from geochemistry and environmental science to engineering and health sciences.

Major Study

A major in chemistry consists of two core 100- level subjects, and four core 200- level subjects, and an approved combination of 300- level subjects offered by the School of Chemistry, with a value of at least 24 credit points. Students may use their elective credit points to complete a second major in another discipline.

Subjects		Session	Credit Points
100-Level			
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B : Structure and Reactivity of Molecules for Life	Spring	6
	Total for major at 100-level		12
200-Level			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical and Environmental Chemistry II	Spring	6
	Total for major at 200-level		24
300-Level			
At least three subjects taken from the following list:			
CHEM301	Advanced Materials and Nanotechnology	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM327	Environmental Chemistry	Autumn	8
CHEM340	Chemistry Laboratory Project	Autumn, Spring or Summer	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
	Total for major at 300-level		24
	Sub-total for major		60
Plus additional subjects chosen from the Science Schedule			30
	Total for major		90
Plus elective subjects chosen from the Science or General Schedules			54
Degree Total			144

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Honours

Students may apply to enrol in an Honours degree, Bachelor of Science (Honours) (741), after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is normally at least 32 credit points of 300-level Chemistry subjects at an appropriate standard (credit average). Admission to Honours is by recommendation of the Head of School and approval of the Dean or Associate Dean.

Professional Recognition

Completion of this major qualifies graduates for membership of the Royal Australian Chemical Institute.

Other Information

The School offers a third year research subject, CHEM340, to students with a good academic record (usually a credit average or better) who wish to gain experience in research. Entry into this subject is by permission of the Head of School.

The Degree Coordinator is the Head of the School of Chemistry, Professor Will Price, telephone (02) 4221 3509.

Bachelor of Science (Geology)

Geology is the study of the earth, the materials of which it is made, the processes that act on these materials, the products formed and the history of the planet and its life forms. Areas of specialised study include economic geology (coal, petroleum, uranium); geophysics; palaeontology; sedimentology; structural geology; stratigraphy; tectonics; volcanology and geochemistry. A Geology major can be combined with a second major in Physical Geography.

Subjects		Session	Credit Points
100-Level			
EESC101	Planet Earth	Autumn	6
EESC102	Earth Environments and Resources	Spring	6
Total for major at 100-level			12
Recommended electives:			
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
200-Level			
EESC201	Earth Surface Processes and Products	Autumn	6
EESC202	Soils, Landscapes and Hydrology	Spring	6
Plus at least two other subjects chosen from Earth and Environmental Sciences schedule at 200-level. Recommended options include:			
EESC203	Biogeography and Environmental change	Autumn	6
EESC204	Introductory Spatial Science	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6
Total for major at 200-level			24
300-Level			
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
EESC306	Resources and Environments	Spring	8
Plus at least one other subject chosen from Earth and Environmental Sciences schedule at 300-level. Recommended options include:			
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8
EESC309	Dung, Death and Decay: Modern scientific methods in archaeology	Autumn	8
EESC310	Water Resources and Management	Spring	8
Total for major at 300-level			24
Sub-total for major			60
Plus additional subjects chosen from the Science Schedule			30
Total for major			90
Plus elective subjects chosen from the Science or General Schedules			54
Degree Total			144

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Honours

Students may apply to enrol in an Honours degree, Bachelor of Science (Honours) (741), after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is normally a credit average in the area of specialisation. Admission to Honours is by recommendation of the Head of School and approval of the Dean or Associate Dean.

Other Information

The Degree Coordinator is Associate Professor Paul Carr - School of Earth and Environmental Sciences, telephone (02) 4221 3804, email: pcarr@uow.edu.au.

Bachelor of Science (Geosciences)

A major in Geosciences offers a combined program of study in the two disciplines of Geography or Geology.

Subjects

100-Level

At least two subjects chosen from Earth and Environmental Sciences subjects at 100-level

200-Level

At least four subjects chosen from Earth and Environmental Sciences subjects at 200-level

300-Level

At least three subjects chosen from Earth and Environmental Sciences subjects at 300-level

Plus additional subjects chosen from the Science Schedule totalling 30 credit points

Plus additional subjects chosen from the Science or General Schedule totalling 54 credit points

Degree total is 144 credit points

Honours

Students may apply to enrol in an Honours degree, Bachelor of Science (Honours) (741), after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is normally a credit average in the area of specialisation. Admission to Honours is by recommendation of the Head of School and approval of the Dean or Associate Dean.

Other Information

The Degree Coordinator is Associate Professor Paul Carr - School of Earth and Environmental Sciences, telephone (02) 4221 3804, email: pcarr@uow.edu.au.

Bachelor of Science (Human Geography)

Human Geography encompasses the study of human societies and human environments. Understanding and helping to resolve conflicts and crises makes Human Geography an immediately socially-relevant discipline. Human Geographers make an essential contribution to environmental management, urban planning, and the management of social and economic change. A human geography major may be usefully combined with a physical geography major.

Subjects		Session	Credit Points
100-Level			
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
Total for major at 100-level			12
Recommended electives:			
EESC101	Planet Earth	Autumn	6
EESC102	Earth Environments and Resources	Spring	6
200-Level			
EESC205	Population Studies	Autumn	6
EESC210	Social Spaces: Rural and Urban	Spring	6
Plus at least two other subjects chosen from Earth and Environmental Sciences schedule at 200-level. Recommended options include:			
EESC204	Introductory Spatial Science	Spring	6
EESC206	Discovering Down Under: A Geography of Australia	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
Total for major at 200-level			24

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300-Level			
EESC307	Spaces, Places and Identities: Qualitative research design	Autumn	8
EESC308	Environmental and Heritage Management	Spring	8
Plus at least one other subject chosen from Earth and Environmental Sciences schedule at 300-level. Recommended options include:			
EESC305	Remote Sensing of the Environment	Autumn	8
EESC304	Geographic Information Science	Spring	8
EESC309	Dung, Death and Decay: Modern scientific methods in archaeology	Autumn	8
EESC310	Water Resources and Management	Spring	8
EESC311	Human Geography Fieldwork Project	Spring or Summer	8
Total for major at 300-level			24
Sub-total for major			60
Plus additional subjects chosen from the Science Schedule			30
Total for major			90
Plus elective subjects chosen from the Science or General Schedules			54
Degree Total			144

Honours

Students may apply to enrol in an Honours degree, Bachelor of Science (Honours) (741), after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is normally a credit average in the area of specialisation. Admission to Honours is by recommendation of the Head of School and approval of the Dean or Associate Dean.

Other Information

Students are encouraged to choose elective subjects from the arts and social sciences, such as history, economics and sociology. The following sociology electives will enhance students' research skills:

SOC 231: Social Analysis (Spring)

SOC 325: Social Research Methods in Policy and Evaluation (Autumn)

The Degree Coordinator is Associate Professor Gordon Waitt - School of Earth and Environmental Sciences, telephone (02) 4221 3684, email: gwaitt@uow.edu.au.

Bachelor of Science (Physical Geography)

Physical Geography is the study of patterns and processes in the environment caused by the forces of nature. It examines the environmental and ecological problems facing the world, and provides the skills and knowledge to assist in managing them. A Physical Geography major could be combined with a Human Geography major or a Geology major.

Subjects		Session	Credit Points
100-Level			
EESC101	Planet Earth	Autumn	6
EESC103	Landscape Change and Climatology	Autumn	6
Total for major at 100-level			12
Recommended electives:			
EESC102	Earth Environments and Resources	Spring	6
EESC104	The Human Environment: Problems and Change	Spring	6
200-Level			
EESC203	Biogeography and Environmental Change	Autumn	6
EESC202	Soils, Landscapes and Hydrology	Spring	6
Plus at least two other subjects chosen from Earth and Environmental Sciences schedule at 200-level. Recommended options include:			
EESC204	Introductory Spatial Science	Spring	6
EESC206	Discovering Downunder: A Geography of Australia	Spring	6

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EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6
Total for major at 200-level			24
300-Level			
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
EESC302	Coastal Environments: Process and Management	Spring	8
Plus at least one other subject chosen from Earth and Environmental Sciences schedule at 300-level. Recommended options include:			
EESC305	Remote Sensing of the Environment	Autumn	8
EESC304	Geographic Information Science	Spring	8
EESC309	Dung, Death and Decay: Modern scientific methods in archaeology	Autumn	8
EESC310	Water Resources and Management	Spring	8
Total for major at 300-level			24
Sub-total for major			60
Plus additional subjects chosen from the Science Schedule			30
Total for major			90
Plus elective subjects chosen from the Science or General Schedules			54
Degree Total			144

Honours

Students may apply to enrol in an Honours degree, Bachelor of Science (Honours) (741), after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is normally a credit average in the area of specialisation. Admission to Honours is by recommendation of the Head of School and approval of the Dean or Associate Dean.

Other Information

The Degree Coordinator is Dr Marji Puotinen - School of Earth and Environmental Sciences, telephone (02) 4221 3589, email: marji@uow.edu.au.

Prescribed Majors

Bachelor of Science (Biotechnology)

Biotechnology is the application of exciting advances in molecular and cell biology to medicine, agriculture, and the environment. Through modern technologies, such as genetic engineering, biotechnology is shaping diverse aspects of medicine (cancer, vaccines, therapy and diagnosis of genetic diseases), food production (transgenic plants) and industry (bioremediation). Biotechnology encompasses the rapidly evolving fields of monoclonal antibody technology, proteomics and genetic engineering. A new generation of pharmaceuticals, vaccines, hormones and anti-inflammatory agents are being developed using these technologies. This is a prescribed program of study comprising core and optional subjects as set out below.

Subjects		Session	Credit Points
First Year			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
MATH151	General Mathematics 1A (if required)	Autumn or Summer	6
Plus other elective subjects to give a total credit point value of 48, at least 6 of which should be one of the following:			
PHYS155	Introduction to Biomedical Physics*	Autumn	6
STS 100	Social Aspects of Science and Technology#	Autumn	6
BMS 101	Systemic Anatomy	Autumn	6
BMS 112	Human Physiology I: Principles and Systems	Spring	6

* Strongly recommended

STS100 is compulsory for students taking an approved course of study which does not include STS251.

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Second Year

BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
CHEM212	Organic Chemistry	Autumn	6
CHEM214	Analytical and Environmental Chemistry II	Spring	6
Plus one of the following subjects:			
STS 251	From Molecular Genetics to Biotechnology	Autumn	6
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
MGMT208	Introduction to Management for Professionals	Autumn	6

Third Year

Core

BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL321	Infection and Immunity	Spring	8

Options

Plus one Session 1 subject chosen from the following:

CHEM350	Principles of Pharmacology	Autumn	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8
BIOL392	Advanced Biology	Autumn, Spring or Summer	8
BMS 344	Cardiorespiratory Physiology	Autumn	8

Plus one Session 2 subject chosen from the following:

CHEM321	Organic Synthesis and Reactivity	Spring	8
BIOL392	Advanced Biology	Autumn, Spring or Summer	8
PHIL380	Bioethics	Spring	8

Or other subjects approved by the Coordinator

Honours

If the required academic standard is attained, the BSc (Biotechnology) student may transfer to the B Biotechnology fourth Honours year. This consists of special coursework plus a research project.

Professional Recognition

Graduates qualify to apply for membership of the Australian Institute of Biology, the Australian Society of Microbiology and the Australian Biotechnology Society.

Other Information

For more detailed course information contact the Professional Officer, Julie-Ann Green - School of Biological Sciences, telephone (02) 4221 3100, email: jagreen@uow.edu.au.

The Degree Coordinator is Professor Mark Wilson – School of Biological Sciences.

Bachelor of Science (Ecology)

The University has one of the strongest ecological research groups in Australia working in marine, freshwater and terrestrial ecology, tropical and temperate ecosystems. Study areas include applications of remote sensing and geographical information systems (GIS), the use of molecular genetics in conservation biology, biodiversity assessment/ sampling, environmental impact assessment and experimental ecology. Organisms studied include: endangered plants, marsupial pollinators, marine and arid land birds, invertebrates – from corals to ants and marine and freshwater fish. This is a prescribed program of study comprising core and optional subjects as set out below.

Subjects		Session	Credit Points

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First Year

BIOL104	Evolution, Biodiversity and Environment	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
MATH187	Mathematics 1A, Part 1 (or MATH141 or MATH161)	Autumn	6
MATH188	Mathematics 1A, Part 2 (or MATH142 or MATH162)	Spring	6

Plus 12 credit points of electives to be approved by the Coordinator. Students are strongly encouraged to complete first year Chemistry (CHEM101 and CHEM102) for their elective subjects.

Second Year

BIOL240	Functional Biology of Plants and Animals	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6
EESC204	Introductory Spatial Science	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6

One 6 credit point elective subject may be approved by the Coordinator if MATH111 is taken in 1st year.

Third Year

Core

BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8
STAT355	Sample Surveys and Experimental Design (with project)	Autumn	8

Options

Plus one of the following

BIOL332	Ecology and Evolutionary Physiology	Autumn	8
BIOL392	Advanced Biology	Autumn, Spring or Summer	8
MARE300	Fisheries and Aquaculture	Spring	8
EESC302	Coastal Environments: Process and Management	Spring	8

Or other subjects approved by the Coordinator.

Entry to BIOL392 would be subject to the student having a distinction average or higher performance in subjects pertinent to the intended area of research, as approved by the Head of School, and availability of a research supervisor.

Honours

Students with a good academic record, particularly in third year, are encouraged to proceed to the Honours year in the discipline of their major. The Honours year is a fourth year of study that provides training in independent research.

Other Information

The Degree Coordinator is Professor David Ayre – School of Biological Sciences, telephone (02) 4221 3440, email: dja@uow.edu.au.

Bachelor of Science (Environment)

The Bachelor of Science (Environment) offers a broad, flexible, multi-disciplinary program that is ideal for students wishing to complete a science-based environmental degree with a view to employment in an area of environmental assessment, management and policy development. Core subjects have been chosen with a view to providing the key workplace skills required in the environmental field, and appropriate disciplinary strands (Biological Sciences, Chemistry, or Geosciences) can be chosen from optional subjects. This is a prescribed program of study comprising core and optional subjects as set out below.

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Course Program

Subjects		Session	Credit Points
Common First Year			
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
EESC101	Planet Earth	Autumn	6
EESC103	Landscape Change and Climatology	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
EESC102	Earth Environments and Resources	Spring	6
EESC104	The Human Environment: Problems and Change	Spring	6
Common Second Year			
BIOL251	Principles of Ecology and Evolution	Autumn	6
PHYS233	Introduction to Environmental Physics	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6
Autumn Session Options:			
PHIL256	Ethics and Environment	Autumn	6
OR			
MATH151	General Mathematics 1A (if required)	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC202	Soils, Landscapes and Hydrology	Spring	6
EESC204	Introductory Spatial Science	Spring	6
Note:	All students entering the BSc (Environment) without meeting the Minimum Mathematics Requirement must successfully complete MATH 151. Students interested in transferring to the Bachelor of Environmental Science (4 year degree) should note that they will need to complete MATH151 as additional load. MATH151 is offered in both Autumn and Summer Sessions.		
Third Year			
Core			
EESC304	Geographic Information Science	Spring	8
ENVI391	Environmental Science	Spring	8
Options			
Plus 4 of the following subjects, as approved:			
CHEM314	Instrumental Analysis	Autumn	8
CHEM327	Environmental Chemistry	Autumn	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
EESC305	Remote Sensing of the Environment	Autumn	8
EESC306	Resources and Environments	Spring	8
EESC308	Environmental and Heritage management	Spring	8
BIOL356	Marine and Terrestrial Ecology	Spring	8
EESC302	Coastal Environments: Process and Management	Spring	8
MARE300	Fisheries and Aquaculture	Spring	8
Or other subjects approved by the Coordinator			

Honours

Students who have achieved the required standard would be eligible to enrol in Honours in their chosen discipline: Biological Sciences, Chemistry, or Geosciences. Additionally, if the required academic standard is attained and the appropriate subjects have been completed, the BSc (Environment) student may transfer to the B Environmental Science fourth Honours year. This consists of special coursework plus a research project.

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Other Information

The Degree Coordinator is Professor Colin Murray-Wallace – School of Earth and Environmental Sciences, telephone (02) 4221 4419, email: cwallace@uow.edu.au.

Bachelor of Science (Land and Heritage Management)

This specialist program combines Physical and Human Geography with other relevant subjects to provide the skills and knowledge required for employment or research on both cultural and natural heritage issues. This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects		Session	Credit Points
First Year			
Core			
EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
MATH151	General Mathematics 1A (if required)	Autumn or Summer	6
Recommended Options			
EESC101	Planet Earth	Autumn	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
Plus other elective subjects to total 48 credit points. Students are encouraged to select from the General Schedule offerings in History, Aboriginal Studies, STS and Legal Studies.			
Second Year			
Core			
EESC204	Introductory Spatial Science	Spring	6
EESC210	Social Spaces: Rural and Urban	Spring	6
EESC203	Biogeography and Environmental Change	Autumn	6
EESC208	Environmental Impact of Societies	Spring	6
Plus at least TWO subjects chosen from:			
EESC202	Soils, Landscape and Hydrology	Spring	6
EESC206	Discovering Downunder: A Geography of Australia	Spring	6
EESC205	Population Studies	Autumn	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
Plus other elective subjects to total 48 credit points			
Third Year			
Core			
EESC308	Environmental and Heritage Management	Spring	8
EESC307	Spaces, Places and Identities: Qualitative research design	Autumn	8
EESC304	Geographic Information Systems	Spring	8
Plus THREE of the following:			
EESC302	Coastal Environments: Process and Management	Spring	8
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
EESC305	Remote Sensing of the Environment	Autumn	8
EESC310	Water Resources and Management	Spring	8
EESC300	Directed Studies in Earth and Environmental Sciences	Autumn or Spring	8
Or other subjects approved by the Coordinator			

Honours

Students with a good academic record, particularly in third year, are encouraged to proceed to the Honours year in the discipline of their major. The Honours year is a fourth year of study that provides training in independent research.

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Other Information

The Degree Coordinator is Associate Professor Gordon Waitt - School of Earth and Environmental Sciences, telephone (02) 4221 3684, email: gwaitt@uow.edu.au.

Bachelor of Science (Medicinal Chemistry)

The Bachelor of Science (Medicinal Chemistry) is a three-year degree which provides students with excellent training in modern techniques of chemical science applied to medicine. This includes specialised courses in drug discovery and design, using both rational, computer-aided and bioprospecting approaches. It also gives students the training in physiology, pharmacology and other areas needed to understand the effects of disease states on the human body and the role of drugs and other ways of chemical intervention. This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects		Session	Credit Points
First Year			
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BMS 101	Systemic Anatomy	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
BMS 112	Human Physiology I: Principles and Systems	Spring	6
Plus two of the following subjects:			
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
MATH151	General Mathematics 1A (if required)	Autumn or Summer	6
MATH141	Mathematics 1C Part 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
OR			
PHYS155	Introduction to Biomedical Physics	Autumn	6
The Mathematics subject to study is dependent on the level of Maths already achieved by the individual student (HSC or equivalent).			
Second Year			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical and Environmental Chemistry II	Spring	6
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6
Third Year			
Core			
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM330	Medicinal Chemistry	Spring	8
CHEM350	Principles of Pharmacology	Autumn	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
Options			
Plus one of the following subjects:			
CHEM314	Instrumental Analysis	Autumn	8

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CHEM340	Chemistry Laboratory Project (Restricted Entry)	Autumn, Spring or Summer	8
BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8

Or other subjects approved by the Coordinator

Honours

If the required academic standard is attained the BSc (Medicinal Chemistry) student may transfer to the B Medicinal Chemistry fourth Honours year. This consists of special coursework plus a research project.

Professional Recognition

This degree structure is designed basically to meet the qualifying standards of the Royal Australian Chemistry Institute, and students meeting the course requirements will be eligible for corporate membership of the Institute as Chartered Chemists.

Other Information

The Degree Coordinator is Associate Professor Paul Keller – School of Chemistry, Room 18.222, telephone (02) 4221 4692, email: keller@uow.edu.au.

Bachelor of Science (Nanotechnology)

The Bachelor of Science (Nanotechnology) is a three-year interdisciplinary coursework degree which is jointly offered by the Faculties of Engineering and Science. The degree targets the emerging field of nano-materials, molecular machines and nano-science.

The course will draw on major research strengths at UOW including: the Intelligent Polymer Research Institute, the Institute for Superconducting and Electronic Materials, the BlueScope Steel Metallurgy Centre, and the ARC Centre for Nanostructured Electromaterials. One of the main aims is to produce high quality graduates to feed into postgraduate programs within UOW research units.

This course has a materials chemistry focus with possible elective subjects in physics, engineering (eg. mechatronics) and biology. There are a total of four elective subjects giving students scope to match the course to their interests whilst retaining a core focus on molecular design and characterization of materials at the nano-dimension. The course includes three specially designed subjects that will be mainly research oriented and combine lectures, laboratory and project work. This will give students from first year onwards a taste of where leading research in nanotechnology is heading. This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects		Session	Credit Points
First Year			
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
OR			
MATH141	Mathematics 1C Part 1	Autumn	6
NANO101	Current Perspectives in Nanotechnology	Spring	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
ENGG153	Engineering Materials	Autumn	6
PHYS142	Fundamentals of Physics B	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
OR			
MATH142	Mathematics 1C Part 2	Spring	6
Second Year			
CHEM212	Organic Chemistry II	Autumn	6
MATE201	Structure and Properties of Materials	Autumn	6

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PHYS205	Advanced Modern Physics	Autumn	6
NANO201	Research Topics in Nanotechnology	Spring	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM211	Inorganic Chemistry II	Autumn	6
Plus two of the following electives:			
Materials Chemistry Stream			
CHEM214	Analytical and Environmental Chemistry	Spring	6
MATE204	Mechanical Behaviour	Spring	6
Physics Stream			
MATH212	Applied Mathematical Modelling	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
Mechatronics Stream			
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design for Innovation	Spring	6
Other subject options			
BIOL103	Molecules, Cells and Organisms	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
Third Year			
Core			
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
MATE202	Thermodynamics and Phase Equilibria	Autumn	6
NANO301	Research Project in Nanomaterials	Autumn	8
CHEM301	Advanced Materials and Nanotechnology	Spring	8
MATE303	Ceramics, Glasses and Refractories	Spring	6
Options			
Plus two of the following electives:			
Materials Chemistry Stream			
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
MATE301	Engineering Alloys	Autumn	6
MATE306	Degradation of Materials	Spring	6
Physics Stream			
PHYS305	Quantum Mechanics	Autumn	6
PHYS363	Advanced Photonics	Spring	6
PHYS396	Electronic Materials	Spring	6
Mechatronics Stream			
ENGG251	Mechanics of Solids	Autumn	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
MECH215	Fundamentals of Machine Component Design	Spring	6

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Other subject options

BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6

Or other subjects approved by the Coordinator

Honours

If the required academic standard is attained the BSc (Nanotechnology) student may transfer to the Bachelor of Nanotechnology fourth Honours year. This consists of special coursework plus a research project.

Professional Recognition

Students may choose options enabling them to graduate and be eligible for accreditation with the Royal Australian Chemical Institute (RACI).

Other Information

The Degree Coordinators are Professor Will Price – School of Chemistry, Faculty of Science, Room 18.102A, telephone: (02) 4221 3509, email: wprice@uow.edu.au, and Professor Geoff Spinks - School of Mechanical, Materials and Mechatronic Engineering, Faculty of Engineering, Room 1.111, telephone: (02) 4221 3010, email: gspinks@uow.edu.au.

Bachelor of Science Advanced (Honours)

Testamur Title of Degree:	Bachelor of Science Advanced (Honours)
Abbreviation:	BSc Adv (Hons)
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	741A
UAC Code:	757601
CRICOS Code:	052463E

Overview

The Advanced Program, designed specifically for high achieving students, offers direct entry into Honours, unlike the normal BSc which delays selection for Honours until the completion of the third year.

It offers a greater degree of flexibility in program design through the opportunity to undertake individual research subjects at second and third year; the opportunity to progress at a faster rate through the use of "fast tracking" mechanisms; the chance to participate in various enrichment activities and to develop a close association with an appropriate member of one of the School's research teams. In the final year, all students undertake a substantial piece of supervised research in their major discipline together with other required seminar and/or course work.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of at least 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Mathematics and any two units of Science. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

BSc students with an exceptionally high level of performance in first year may enter the program on the recommendation of the Coordinator or Head of School or the invitation of the Dean. Transfer will not be considered before completion of the first year of the course and is based on at least a Distinction average (75%) taken over all subjects completed, and the approval of the Dean or Associate Dean.

Course Requirements

Study programs are structured on an individual basis in consultation with the Head of School. Students are required to fulfil all of the normal Bachelor of Science and Honours requirements and may select their major study program from any of those available within the Faculty (refer to the information under Bachelor of Science and Bachelor of Science (Honours)).

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Progression Requirements

In order to maintain a place in an Advanced Science degree, students are normally required to achieve at least a Distinction average (75%) in the 200 and 300 level subjects completed. The performance of each student will be initially reviewed by the Associate Dean after the completion of 72 credit points. Students will be interviewed by the Associate Dean or their degree coordinator at the end of their first year to assess their progress.

Honours

After fulfilling requirements for a Bachelor of Science, students automatically proceed to an Honours year in their chosen discipline. Research topics are subject to the availability of a supervisor.

Major Study Areas

Please refer to the information contained in the entries for Bachelor of Science (742).

Students select a major from those available in the Faculty:

- Biological Sciences
- Chemistry
- Ecology
- Environment
- Geology
- Geosciences
- Human Geography
- Land and Heritage Management
- Physical Geography

Other Information

Please note: Similar Advanced programs are also available to students wishing to undertake one of the specialist degrees: Bachelor of Biotechnology, Bachelor of Environmental Science, Bachelor of Marine Science, Bachelor of Medicinal Chemistry and Bachelor of Nanotechnology.

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

Web site: www.uow.edu.au/science/.

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

Bachelor of Science (Honours)

Testamur Title of Degree:	Bachelor of Science (Honours)
Abbreviation:	BSc(Hons)
Home Faculty:	Science
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	741
UAC Code:	N/A
CRICOS Code:	003126F

Overview

Students who have fulfilled the requirements of a Bachelor of Science with a major in a discipline offered by the Faculty, and achieved the required academic standard, may undertake an Honours degree – a year of research training in the discipline.

The honours degree provides students with the first real opportunity to undertake research on a topic of your interest. The honours year is particularly important as it represents a gateway to future research opportunities, both in the form of higher research degrees and as a career in research, or other vocations that require advanced analytical and research skills.

Entry Requirements / Assumed Knowledge

Students may apply to enrol in an Honours degree after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is usually an average of at least credit level for the 300-level subjects in the major study. Admission to Honours is by recommendation of the relevant Head of School and approval by the Dean or Associate Dean of the Faculty, and acceptance by an academic supervisor in the discipline.

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By arrangement with the Schools involved, it is possible to undertake Joint Honours, a research thesis spanning two disciplines.

Students proceeding directly from a 3-year degree to Honours do not graduate until after they have completed Honours. However, it is possible to graduate with a Pass Degree and then decide to undertake Honours at a later date, either at this University or at another University. Graduates from other Universities may also apply to undertake Honours at the University of Wollongong.

Course Requirements

To graduate with an Honours degree, candidates undertake a research thesis within their major study discipline, together with any required coursework.

In the Faculty of Science, Bachelor of Science Honours degrees can be taken in the following disciplines:

- Biological Sciences
- Chemistry
- Ecology
- Environment
- Geology
- Geosciences
- Human Geography
- Land and Heritage Management
- Physical Geography

Students enrol in the appropriate 400-level Honours for the particular discipline, as set out below.

Course Program

Subjects		Session	Credit Points
Biological Sciences, Environment (Biological Sciences Strand) or Ecology Honours			
BIOL401	Biology Honours	Annual	48
or			
BIOL402	Biology Joint Honours	Annual	24
or			
BIOL403	Biology Honours Part 1 for Part-Time Students	Annual	24
and			
BIOL404	Biology Honours Part 2 for Part-Time Students	Annual	24
Chemistry or Environment (Chemistry Strand) Honours			
CHEM401	Chemistry Honours	Annual	48
or			
CHEM405	Chemistry Joint Honours	Annual	24
or			
CHEM402	Chemistry Honours Part 1 for Part Time students	Annual	24
and			
CHEM403	Chemistry Honours Part 2 for Part Time students	Annual	24
Human Geography, Physical Geography, Geology, Geosciences, Environment (Geosciences Strand) or Land and Heritage Management Honours			
EESC401	Earth and Environmental Science Honours	Annual	48
or			
EESC402	Earth and Environmental Science Joint Honours	Annual	24
or			
EESC404	Earth and Environmental Sciences Honours Part 1 (Part-Time Students)	Annual	24
and			
EESC405	Earth and Environmental Sciences Honours Part 2 (Part-Time Students)	Annual	24

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Other Information

For further information contact the Head of School in the particular discipline, or the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

Web site: www.uow.edu.au/science/

Bachelor of Marine Science
Bachelor of Marine Science Advanced (Honours)

Testamur Title of Degree:	Bachelor of Marine Science, Bachelor of Marine Science Advanced (Honours)
Abbreviation:	BMarSc, BMarSc Adv (Hons)
Home Faculty	Science
Duration:	3 years, 4 years
Total Credit Points:	144 or 192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	789, 789A
UAC Code:	757622, 757623
CRICOS Code:	039553A

Overview

The Bachelor of Marine Science is a coursework degree with a broad emphasis on the marine sciences taught jointly by the School of Biological Sciences and the School of Earth and Environmental Sciences. The program consists of core subjects in each of the three years plus a flexible range of optional subjects.

At second year students choose to specialise in the Marine Biology or Marine Geosciences strands or a combination of these strands. Subjects from across the ranges of relevant disciplines have been included together with a number of specially designed marine subjects.

Entry Requirements / Assumed Knowledge

Bachelor of Marine Science (789): New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Marine Science Honours Advanced (789A): New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Four units of science (including Biology or Chemistry) or four units comprising Science and Mathematics. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Bachelor of Marine Science (789):

This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Marine Science (Honours) Advanced (789A):

Students who are eligible for this degree fulfil all of the same requirements as Bachelor of Marine Science candidates but are also eligible for additional benefits and challenges, and proceed directly to a fourth Honours year. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects		Session	Credit Points
Common First Year			
Core			
EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6

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CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
MATH151	General Mathematics 1A (if required)	Autumn or Summer	6

Options

Select one or two of the following to total 48 cps at first year:

EESC101	Planet Earth	Autumn	6
EESC104	The Human Environment	Spring	6
PHYS233	Introduction to Environmental Physics	Autumn	6
STS112	Revolutions in Science: History, Philosophy and Politics of Science	Spring	6
STS116	Environment in Crisis: Technology and Society	Spring	6
MATH111	Applied Mathematical Modelling I	Spring	6
MGMT110	Introduction to Management	Autumn or Spring	6

Or 1-2 elective 100 or 200 level subjects chosen from the Science or General Schedule in consultation with the Coordinator.

At Second Year students choose either a single strand in Marine Biology or Marine Geosciences or a combination of these specialisations. Any variations on the strands and pathways listed below require approval by the degree coordinator. Note that optional subjects selected in second year must be chosen to satisfy prerequisites required for third year subjects.

Second Year Marine Biology Strand – Marine Ecology Pathway

Core

MARE200	Introduction to Oceanography	Autumn	6
EESC204	Introductory Spatial Science	Spring	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6

Options

Plus one of the following two subjects:

EESC201	Earth Surface Processes and Products	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6

Plus one of the following three subjects:

CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6

Third Year Marine Biology Strand – Marine Ecology Pathway

Core

MARE300	Fisheries and Aquaculture	Spring	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8

Options

Plus one of the following three subjects:

EESC305	Remote Sensing of the Environment	Autumn	8
MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8
STAT355	Sample Surveys and Experimental Design (with project)	Autumn or Spring	8

Plus one of the following four subjects:

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EESC302	Coastal Environments: Process and Management	Spring	8
EESC304	Geographic Information Science	Spring	8
MARE357	Advances in Molluscan Biology	Summer	8
MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8

Or other subjects approved by the Coordinator

Second Year	Marine Biology Strand – Biotechnology Pathway		
Core			
MARE200	Introduction to Oceanography	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
Third Year	Marine Biology Strand – Biotechnology Pathway		
Core			
MARE300	Fisheries and Aquaculture	Spring	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
Options			

Plus three of the following four subjects

BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8

Plus one of the following four subjects

BIOL321	Infection and Immunity	Spring	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
MARE357	Advances in Molluscan Biology	Summer	8
MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8

Or other subjects approved by the Coordinator

Second Year	Marine Geosciences Strand		

Note: It is possible to take a double major (Marine Biology-Marine Geosciences) in the Marine Geosciences Strand.

BIOL251	Principles of Ecology and Evolution	Autumn	6
EESC201	Earth Surface Processes and Products	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6
MARE200	Introduction to Oceanography	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
EESC204	Introductory Spatial Science	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6

Plus one of the following three subjects

CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6
Third Year	Marine Geosciences Strand		
Core			

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EESC305	Remote Sensing of the Environment	Autumn	8
EESC302	Coastal Environments: Process and Management	Spring	8

Options

Plus two of the following four subjects:

BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8

Plus two of the following seven subjects:

BIOL355	Marine and Terrestrial Ecology	Spring	8
EESC304	Geographic Information Science	Spring	8
EESC306	Resources and Environments	Spring	8
EESC308	Environmental and Heritage Management	Spring	8
MARE300	Fisheries and Aquaculture	Spring	8
MARE357	Advances in Molluscan Biology	Summer	8
MARE393	Advanced Marine Science Project	Autumn, Spring or Summer	8

Or other subjects approved by the Coordinator

Honours

Students may apply to enrol in an Honours degree, Bachelor of Marine Science (Honours) (789M) after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is normally an average of at least credit level for the 300-level subjects in the major study. Admission to Honours is by recommendation of the Degree Coordinator and approval of the Dean or Associate Dean.

Other Information

The Degree Coordinator is Associate Professor Andy Davis – School of Biological Sciences, Room 35.G01D, telephone (02) 4221 3432, email: adavis@uow.edu.au

Bachelor of Marine Science (Honours)

Testamur Title of Degree:	Bachelor of Marine Science (Honours)
Abbreviation:	BMarSc(Hons)
Home Faculty:	Science
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	789M
UAC Code:	N/A
CRICOS Code:	048494K

Overview

Students who have fulfilled the requirements of a Bachelor of Marine Science, and achieved the required academic standard, may undertake an Honours degree – a year of research training in the discipline.

The Honours degree provides you with the first real opportunity to undertake research on a topic of your interest.

The Honours year is particularly important as it represents a gateway to future research opportunities, both in the form of higher research degrees and as a career in research, or other vocations that require advanced analytical and research skills.

Entry Requirements / Assumed Knowledge

Students may apply to enrol in an Honours degree after the requirements of the Pass degree have been fulfilled, normally at the prescribed academic standard. This standard is usually an average of at least credit level for the 300-level subjects in

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the major study. Admission to Honours is by recommendation of the relevant Head of School and approval by the Dean or Associate Dean of the Faculty, and acceptance by an academic supervisor in the discipline.

By arrangement with the Schools involved, it is possible to undertake Joint Honours, a research thesis spanning two disciplines.

Students proceeding directly from a 3-year degree to Honours do not graduate until after they have completed Honours. However, it is possible to graduate with a Pass degree and then decide to undertake Honours at a later date, either at this University or at another University. Graduates from other Universities may also apply to undertake Honours at the University of Wollongong.

Course Requirements

To graduate with a Bachelor of Marine Science Honours degree, candidates undertake a Marine Science research thesis together with any other required assignments and seminars. Students enrol in the appropriate 400-level Honours subject, as follows.

Course Program

Subjects		Session	Credit Points
Marine Science Honours			
MARE401	Marine Science Honours	Annual	48

Other Information

For further information contact the Head School in the particular discipline, or the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

The Marine Science Honours Coordinator is Associate Professor Andy Davis – School of Biological Sciences, Room 35.G01D, telephone (02) 4221 3432, email: adavis@uow.edu.au.

Bachelor of Biotechnology
Bachelor of Biotechnology Advanced

Testamur Title of Degree:	Bachelor of Biotechnology, Bachelor of Biotechnology Advanced
Abbreviation:	BBiotech, BBiotech Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	744, 744A
UAC Code:	757611, 757617
CRICOS Code:	006975G

Overview

Biotechnology is the application of exciting advances in molecular and cell biology to medicine, agriculture, and the environment. Through modern technologies, such as genetic engineering, biotechnology is shaping diverse aspects of medicine (cancer, vaccines, therapy and diagnosis of genetic diseases), food production (transgenic plants) and industry (bioremediation).

Biotechnology encompasses the rapidly evolving fields of monoclonal antibody technology, proteomics and genetic engineering. A new generation of pharmaceuticals, vaccines, hormones and anti-inflammatory agents are being developed using these technologies.

The degree is an interdisciplinary program featuring:

- A major in cellular and molecular biology, including genetics, immunology, bioinformatics;
- A major strand of chemistry;
- Skills in "state-of-the-art" nucleic acid, protein and monoclonal antibody technologies;
- An optional strand in human anatomy and physiology;
- Other relevant areas such as ethics and management;
- The flexibility in first year to explore other options;

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- Specialised training in "cutting-edge" technologies in the fourth year
- Your own research project (4th year Honours).

Entry Requirements / Assumed Knowledge

Bachelor of Biotechnology (744): New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Biotechnology Advanced (744A): New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Four units of Science (including Biology or Chemistry) or four units comprising Science and Mathematics. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Bachelor of Biotechnology:

This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Biotechnology Advanced:

Students who are eligible for this degree fulfil all of the same requirements as Bachelor of Biotechnology candidates but are also eligible for additional benefits and challenges. For further information refer to the entry for the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Progression Requirements:

Satisfactory performance must be achieved (an average of 65% or greater in 300-level Biological Sciences, Chemistry and Biomedical Science subjects) for entry into the fourth year of the Bachelor of Biotechnology degree. Students with an average below 65% in 300-level Biological Sciences, Chemistry and Biomedical Science subjects may only progress into the fourth year of the Bachelor of Biotechnology with the approval of the Head of the School of Biological Sciences. Students who do not gain entry into the fourth year of the Bachelor of Biotechnology degree will normally be required to transfer into the Bachelor of Science (Biotechnology) degree.

Course Program

Subjects		Session	Credit Points
First Year			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A:Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
MATH151	General Mathematics 1A (if required)	Autumn or Summer	6
Plus other elective subjects to give a total credit point value of 48, at least 6 of which should be one of the following:			
PHYS155	Introduction to Biomedical Physics*	Autumn	6
STS100	Social Aspects of Science and Technology#	Autumn	6
BMS101	Systemic Anatomy	Autumn	6
BMS112	Human Physiology I: Principles and Systems	Spring	6

* Strongly recommended

STS100 is compulsory for those students taking an approved course of study which does not include STS251.

Second Year			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
CHEM212	Organic Chemistry	Autumn	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
Plus one of the following subjects:			
STS251	From Molecular Genetics to Biotechnology	Autumn	6
BMS202	Human Physiology II: Control Mechanisms	Autumn	6

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MGMT208	Introduction to Management for Professionals	Autumn	6
Third Year			
Core			
BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL321	Infection and Immunity	Spring	8
Options			
Plus one Session 1 subject chosen from the following:			
CHEM350	Principles of Pharmacology	Autumn	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8
BIOL392	Advanced Biology	Autumn, Spring or Summer	8
BMS344	Cardiorespiratory Physiology	Autumn	8
Plus one Session 2 subject chosen from the following:			
CHEM321	Organic Synthesis and Reactivity	Spring	8
BIOL392	Advanced Biology	Autumn, Spring or Summer	8
PHIL380	Bioethics	Spring	8
Or other subjects approved by the Coordinator			
Fourth Year			
BIOL421	Professional Skills in Biotechnology	Autumn	12
BIOL423	Biotechnology Project	Annual	36

Honours

The Degree of Bachelor of Biotechnology (Honours) is awarded for meritorious performance in third and especially fourth year subjects. Please Note: There are special requirements for progression to the fourth year. Refer to the section "Progression Requirements" above.

Professional Recognition

Graduates qualify to apply for membership of the Australian Institute of Biology, the Australian Society of Microbiology and the Australian Biotechnology Society.

Other Information

For more detailed course information contact the Professional Officer, Julie-Ann Green – School of Biological Sciences, telephone (02) 4221 3100, email: jagreen@uow.edu.au

The Degree Coordinator is Professor Mark Wilson - School of Biological Sciences.

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Bachelor of Environmental Science
Bachelor of Environmental Science Advanced

Testamur Title of Degree:	Bachelor of Environmental Science, Bachelor of Environmental Science Advanced
Abbreviation:	BEnvSc, BEnvSc Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192 credit points
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	746, 746A
UAC Code:	757612, 757618
CRICOS Code:	002256D

Overview

The Bachelor of Environmental Science is a specialist degree designed to give students the knowledge and skills required to manage environmental issues confronting Australia and other countries. This degree aims to provide a broadly-based scientific education with a multidisciplinary approach to problem solving, covering all of the principal sciences: biology, chemistry, geography, geology and physics, together with mathematics and statistics.

In addition, the program integrates material from a wide variety of disciplines relevant to the environment and its management: engineering, management, law, science and technology studies, and philosophy. This equips students to understand the ethical, social, economic and political aspects of environmental issues as well as to be able to work alongside engineers, lawyers and other professionals

Entry Requirements / Assumed Knowledge

Bachelor of Environmental Science:

New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Environmental Science Advanced:

New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Mathematics plus Biology or Chemistry or Geography or Earth and Environmental Sciences. Recommended studies include four units of Science (including Biology) and Mathematics. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Bachelor of Environmental Science (746):

This is a prescribed program of study comprising core and optional subjects, as set out below.

Bachelor of Environmental Science Advanced (746A):

Students who are eligible for this degree fulfil all the same requirements as Bachelor of Environmental Science candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects		Session	Credit Points
Common First Year			
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
EESC101	Planet Earth	Autumn	6
EESC103	Landscape Change and Climatology	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
EESC102	Earth Environments and Resources	Spring	6
EESC104	The Human Environment: Problems and Change	Spring	6

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MATH151	General Mathematics 1A (if required)	Summer	6

Common Second Year

BIOL251	Principles of Ecology and Evolution	Autumn	6
PHYS233	Introduction to Environmental Physics	Autumn	6
PHIL256	Ethics and the Environment	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC202	Soils, Landscapes and Hydrology	Spring	6
EESC204	Introductory Spatial Science	Spring	6

3rd and 4th Year – Specialisation in one of four strands:

1. Land Resources
2. Earth Sciences
3. Life Sciences
4. Environmental Chemistry

Third Year Land Resources Strand

EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
STS 300	The Environmental Context	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
EESC208	Environmental Impact of Societies	Spring	6
EESC302	Coastal Environments: Process and Management	Spring	8

Plus TWO subjects from the following:

EESC201	Earth Surface Processes and Products	Autumn	6
EESC206	Discovering Downunder: A Geography of Australia	Spring	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8

Third Year Earth Sciences Strand

EESC201	Earth Surface Processes and Products	Autumn	6
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
STS 300	The Environmental Context	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
EESC306	Resources and Environments	Spring	8
EESC250	Field Geology	Summer	6

Plus ONE subject from the following:

EESC208	Environmental Impact of Societies	Spring	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8

Third Year Life Sciences Strand

BIOL240	Functional Biology of Plants and Animals	Autumn	6
STS 300	The Environmental Context	Autumn	8
BIOL351	Conservation Biology	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
BIOL356	Marine and Terrestrial Ecology	Spring	8
BIOL241	Biodiversity: Classification and Sampling	Spring	6

Plus ONE subject from the following:

BIOL213	Principles of Biochemistry	Autumn	6
BIOL212	Introductory Microbiology and Immunology	Not offered 2008	6

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EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8

Third Year Environmental Chemistry Strand

CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM327	Environmental Chemistry	Autumn	8
STS 300	The Environmental Context	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
CHEM213	Molecular Structure, Reactivity and Change	Spring	6

Plus ONE subject from the following

CHEM340	Chemistry Laboratory Project	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM314	Instrumental Analysis†	Autumn	8
EESC304	Geographic Information Science	Spring	8

† Students wishing to take CHEM314 should consult the Coordinator of Environmental Science at the start of 3rd year.

Fourth Year – Common for all strands

ENVI403	Research Report	Annual	24
ENVE385	Environmental Engineering	Autumn	8
MGMT208	Introduction to Management for Professionals A	Autumn	6
LAW 380	Law for Environmental Managers	Spring	8

Honours

The Degree of Bachelor of Environmental Science (Honours) is awarded for meritorious performance in 3rd and especially 4th year subjects.

Professional Recognition

Graduates are eligible for full membership of the Environment Institute of Australia & New Zealand and other relevant professional bodies depending on their disciplinary orientation.

Other Information

The Degree Coordinator is Professor Colin Murray-Wallace – School of Earth and Environmental Sciences, telephone (02) 4221 4419, e-mail: cwallace@uow.edu.au.

Bachelor of Medicinal Chemistry
Bachelor of Medicinal Chemistry Advanced

Testamur Title of Degree:	Bachelor of Medicinal Chemistry, Bachelor of Medicinal Chemistry Advanced
Abbreviation:	BMedChem, BMedChem Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	755, 755A
UAC Code:	757613, 757619
CRICOS Code:	016113D

Overview

The Bachelor of Medicinal Chemistry is a specialist four-year Honours degree which provides students with an excellent training in modern techniques of chemical science applied to medicine. This includes specialised courses in drug discovery and design, using both rational, computer-aided and bioprospecting approaches. It also gives students the

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training in physiology, pharmacology and other areas needed to understand the effects of disease states on the human body and the role of drugs and other ways of chemical intervention. Students not admitted directly into the program may gain admission via the BSc program subject to satisfactory performance in first year, prerequisite considerations, and approval of the Dean.

The fourth year Honours program gives students exposure to advanced medicinal chemistry laboratory techniques, research experience and training in advanced medicinal chemistry applications.

Entry Requirements / Assumed Knowledge

Bachelor of Medicinal Chemistry (755):

New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Medicinal Chemistry Advanced (755A):

New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Chemistry and Mathematics. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Bachelor of Medicinal Chemistry (755):

This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Medicinal Chemistry Advanced (755A):

Students who are eligible for this degree fulfil all the same requirements as Bachelor of Medicinal Chemistry candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects		Session	Credit Points
First Year			
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BMS 101	Systemic Anatomy	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
BMS 112	Human Physiology I: Principles and Systems	Spring	6
Plus two of the following subjects:			
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
BMS 103	Human Growth, Nutrition and Exercise	Autumn	6
MATH151	General Mathematics 1A (if required)	Autumn or Summer	6
MATH141	Mathematics 1C Part 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
OR			
PHYS155	Introduction to Biomedical Physics	Autumn	6
The Mathematics subject to study is dependent on the level of Maths already achieved by the individual student (HSC or equivalent).			
Second Year			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BMS 202	Human Physiology II: Control Mechanisms	Autumn	6

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Third Year

CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CHEM321	Organic Synthesis & Reactivity	Spring	8
CHEM330	Medicinal Chemistry	Spring	8
CHEM350	Principles of Pharmacology	Autumn	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
Plus one of the following two subjects:			
BIOL320	Molecular Cell Biology	Autumn	8
BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
Fourth Year			
CHEM440	Selected Topics in Medicinal Chemistry	Annual	16
CHEM460	Medicinal Chemistry Project	Annual	32

Honours

The Degree of Bachelor of Medicinal Chemistry (Honours) is awarded for meritorious performance in third and especially fourth year subjects.

Professional Recognition

Accreditation by the Royal Australian Chemical Institute.

Other Information

The Degree Coordinator is Associate Professor Paul Keller – School of Chemistry, Room 18.222, telephone: (02) 4221 4692, email: keller@uow.edu.au.

Bachelor of Nanotechnology
Bachelor of Nanotechnology Advanced

Testamur Title of Degree:	Bachelor of Nanotechnology, Bachelor of Nanotechnology Advanced
Abbreviation:	B Nanotech, B Nanotech Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	846, 846A
UAC Code:	757625, 757626
CRICOS Code:	051709G, 052459A

Overview

The Bachelor Nanotechnology is an interdisciplinary degree which is jointly offered by the Faculties of Engineering and Science. The degree targets the emerging field of nano-materials, molecular machines and nano-science.

The course draws on major research strengths at UOW including: the Intelligent Polymer Research Institute, the Institute for Superconducting and Electronic Materials, the BlueScope Steel Metallurgy Centre, and the ARC Centre for Nanostructured Electromaterials. One of the main aims is to produce high quality graduates to feed into postgraduate programs within UOW research units.

This course has a materials chemistry focus with possible elective subjects in physics, engineering (eg. mechatronics) and biology. There are a total of five elective subjects giving students scope to match the course to their interests whilst retaining a core focus on molecular design and characterization of materials at the nano-dimension. The course includes four specially designed subjects that are mainly research oriented and combine lectures, laboratory and project work. This gives students from first year onwards a taste of where leading research in nanotechnology is heading.

Entry Requirements / Assumed Knowledge

Bachelor of Nanotechnology (846):

New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

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Bachelor of Nanotechnology Advanced (846A):

New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Chemistry, Physics and Mathematics. Students who have not completed Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Bachelor of Nanotechnology (846):

This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Nanotechnology Advanced (846A):

Students who are eligible for this degree fulfil all the same requirements as Bachelor of Nanotechnology candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects		Session	Credit Points
First Year			
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
OR			
MATH141	Mathematics 1C Part 1	Autumn	6
ENGG153	Engineering Materials	Autumn	6
NANO101	Current Perspectives in Nanotechnology	Spring	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
OR			
MATH142	Mathematics 1C Part 2	Spring	6
Second Year			
CHEM212	Organic Chemistry II	Autumn	6
MATE201	Structure and Properties of Materials	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
CHEM211	Inorganic Chemistry II	Autumn	6
NANO201	Research Topics in Nanotechnology	Spring	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
Plus two of the following electives:			
Materials Chemistry Stream			
CHEM214	Analytical and Environmental Chemistry	Spring	6
MATE204	Mechanical Behaviour and Fracture	Spring	6
Physics Stream			
MATH212	Applied Mathematical Modelling	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
Mechatronics Stream			
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design for Innovation	Spring	6
Other subject options			
BIOL103	Molecules, Cells and Organisms	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
Third Year			
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
MATE202	Thermodynamics and Phase Equilibria	Autumn	6

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NANO301	Research Project in Nanomaterials	Autumn	8
CHEM301	Advanced Materials and Nanotechnology	Spring	8
MATE303	Ceramics, Glasses and Refractories	Spring	6
Plus two of the following electives:			
Materials Chemistry Stream			
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
MATE301	Engineering Alloys	Autumn	6
MATE306	Degradation of Materials	Spring	6
Physics Stream			
PHYS305	Quantum Mechanics	Autumn	6
PHYS363	Advanced Photonics	Spring	6
PHYS396	Electronic Materials	Spring	6
Mechatronics Stream			
ENGG251	Mechanics of Solids	Autumn	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
MECH215	Fundamentals of Machine Component Design	Spring	6
Other subject options			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
Fourth Year			
MATE302	Polymeric Materials	Autumn	6
MATE411	Advanced Materials	Autumn	6
NANO401	Major Project Thesis in Nanotechnology	Annual	24
MATE412	Electronic Materials	Spring	6
PHYS396			
Plus one elective from the General Schedule			6

Honours

The Degree of Bachelor of Nanotechnology (Honours) is awarded for meritorious performance in third and especially fourth year subjects.

Professional Recognition

Students may choose options enabling them to graduate and be eligible for accreditation with the Royal Australian Chemical Institute (RACI).

Other Information

The Degree Coordinators are Professor Will Price – School of Chemistry, Faculty of Science, Room 18.102A, telephone: (02) 4221 3509, email: wprice@uow.edu.au and Professor Geoff Spinks - School of Mechanical, Materials and Mechatronic Engineering, Faculty of Engineering, Room 1.111, telephone: (02) 4221 3010, email: gspinks@uow.edu.au.

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International Bachelor of Science (Honours)

Testamur Title of Degree:	International Bachelor of Science (Honours)
Abbreviation:	BSc Int (Hons)
Home Faculty:	Science
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	848
UAC Code:	757600
CRICOS Code:	TBA

Overview

The International Bachelor of Science is an internationally unique four-year degree offered in conjunction with the University of Colorado in the USA and Dublin City University in Ireland. The degree offers strong discipline-based training in a selected science major, integrated with a technological application of science and its social context, and a strong international perspective. Students complete a major research project at Honours level, and undertake at least one semester of overseas study at either of the partner universities. The flexible structure of the major, two minors, and electives allows students to design their study program to meet their particular interests and abilities.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 93 (or equivalent). The UAI is reviewed each year. In addition to applying through UAC, you must submit an application form to the Faculty of Science. Applications can be obtained from our UniAdvice office (call 1300 367 869) and will close at the end of September. Late applications may be accepted at the discretion of the Faculty. Entry into this highly competitive program will be based on your Faculty application, interview and UAI.

Assumed Knowledge: Mathematics and any two units of Science. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Students must choose one major from disciplines located in the Faculty of Science. A major study consists of at least 60 credit points from one of the Faculty of Science disciplines: Biological Sciences, Chemistry, Geology, Geosciences, Human Geography, Physical Geography. Information regarding these majors is listed under the Bachelor of Science Course Information.

The Technology Minor consists of 30 credit points as outlined in the strands below and approved by the Degree Coordinator in consultation with the Engineering or Informatics Faculty Education Committee Chair.

The Social Sciences Minor consists of 24 credit points selected from the International Studies Minor in consultation with the Degree Coordinator.

Note: When selecting subjects for the Technology and Social Sciences minors, students must adhere to the requirement that no more than 60 credit points of 100-level subjects can count towards their degree programs.

The Global Science Study component consists of SCIE102, a 6 credit point subject coordinated by the University of Wollongong, SCIE202, a 6 credit point remote-delivery subject at 200-level coordinated by the University of Colorado (Boulder), and an 18 credit point remote-delivery subject at 400-level coordinated by Dublin City University.

The balance of 24 credit points (to a degree total of 192) may be chosen from either the Science Schedule or General Schedule. Some of these credit points may be required to complete prerequisite subjects related to the Science major (e.g., the Maths requirement, or 100-level Chemistry and STAT252 for a Biological Sciences major).

Students will be required to complete at least 24 credit points of the degree at one of the partner institutions (University of Colorado (Boulder) or Dublin City University). It is suggested that students complete the study abroad component in either their 2nd or 3rd year of study.

Students will also complete a 24 credit point Honours Research Project in their chosen discipline.

Course Program

Subjects		Session	Credit Points
Suggested First Year			
SCIE102	International Perspectives in Science	Autumn	6

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Plus two 100-level subjects towards an approved Major.			12
Plus additional subjects towards the Technology Minor, Social Sciences Minor and/or the balance.			30
Suggested Second Year			
SCIE202	Bioethical Challenges: A Global Perspective	Autumn	6
Plus four 200-level subjects towards an approved Major.			24
Plus additional subjects towards the Technology Minor, Social Sciences Minor and/or the balance.			18
Suggested Third Year			
Three subjects towards an approved Major			24
Plus additional subjects towards the Technology Minor, Social Sciences Minor and/or the balance.			24
Suggested Fourth Year			
SCIE402	Research Frontiers in Science	Autumn	18
Plus an Honours Research Project.		Autumn/Spring	24
Plus an additional subject towards the Technology Minor, Social Sciences Minor and/or the balance.			6
	Total for major		192

Engineering Technology Strand

Subjects		**Session**	**Credit Points**
100-Level			
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Autumn	6
ENGG154	Engineering Design & Innovation	Spring	6
NANO101	Current Perspectives in Nanotechnology	Spring	6
200-Level			
MATE201	Structure and Properties of Materials	Autumn	6
NANO201	Research Topics in Nanotechnology	Spring	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
300-Level			
MATE302	Polymeric Materials	Autumn	6

Informatics Strand

Subjects		Session	Credit Points
100-Level			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn or Spring	6
CSCI114	Procedural Programming	Autumn or Spring	6
CSCI124	Applied Programming	Autumn or Spring	6
200-Level			
CSCI235	Databases	Spring	6
300-Level			
CSCI315	Database Design and Implementation	Autumn	6

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Internet Technology Strand

Subjects		Session	Credit Points
100-Level			
ECTE181	WWW Engineering	Autumn	6
ECTE182	Internet Technology 1	Spring	6
200-Level			
ECTE281	Embedded Internet Systems	Spring	6
ECTE282	Internet Systems	Autumn	6
ECTE283	Internet Technology 2	Spring	6

Information and Communication Technology Strand

Subjects		Session	Credit Points
100-Level			
CSCI102	Systems	Spring	6
200-Level			
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
300-Level			
IACT301	Information and Communication Security Issues	Spring	6
IACT303	World Wide Networking	Spring	6

Mathematics Strand

Subjects		Session	Credit Points
100-Level			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
200-Level			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
STAT231	Probability and Random Variables	Autumn	6

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

Web site: www.uow.edu.au/science/.

The Degree Coordinator is Associate Professor Paul Carr – School of Earth and Environmental Sciences, Room 41.158A, telephone (02) 4221 3804, email: pcarr@uow.edu.au.

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Bachelor of Science - Bachelor of Arts

Testamur Title of Degree:	Bachelor of Science - Bachelor of Arts
Abbreviation:	BSc-BA
Home Faculty:	Science
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	747 (Science majors) 747J (Health & Behavioural Science majors) 747E (Physics major)
UAC Code:	751801
CRICOS Code:	012098G

Overview

This double degree enables students to undertake comprehensive majors in both Science and Arts.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Any two units of English plus Mathematics and any two units of science. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Students must consult academic advisors from both the Faculty of Arts and the Faculty of Science about selecting a major study from each Faculty. The required 216 credit points taken over at least 4 years shall include:

1. 90 credit points of subjects from the Bachelor of Science including a major study from the Faculty of Science OR a major study from the Faculty of Health and Behavioural Sciences OR a major study in Physics (Faculty of Engineering)
2. 90 credit points from the Arts Faculty including subjects prescribed for one of the majors for the Bachelor of Arts degree. This will include one major study taught by a member unit of the Faculty of Arts or a major in Psychology or Population Health;
3. not more than 96 credit points for 100-level subjects.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for entry into either BSc (Honours) or BA (Honours).

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530

Web site: www.uow.edu.au/science/

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

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Bachelor of Science - Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Science - Bachelor of Commerce
Abbreviation:	BSc-BCom
Home Faculty:	Science
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	747C
UAC Code:	751802
CRICOS Code:	028399G

Overview

This double degree enables students to undertake comprehensive majors in both Science and Commerce.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed Knowledge: Any two units of English plus Mathematics and any two units of science. Students who have not completed Biology and/or Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least HSC Mathematics Band 4 (or equivalent) are required to take a special Mathematics subject (MATH151) in the first year.

Course Requirements

Students must consult academic advisers from both the Faculty of Commerce and the Faculty of Science about selecting a major study from each Faculty.

The double degree consists of a minimum of 216 credit points taken over at least 4 years and shall include:

1. 90 credit points of subjects from the Science Schedule (including a minimum of 60 credit points for a Science major: Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology, Geosciences);
2. subjects from the Commerce Schedule, including core subjects that satisfy the requirements of one of the Commerce majors.
3. subjects from the Science, Commerce or General Schedules to ensure that a minimum of 216 credit points have been completed.

Note: Students may be given exemption from a subject when similar subjects exist in both majors selected, eg. Statistics.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for either BSc (Honours) or BCom (Honours).

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

Web site: www.uow.edu.au/science/.

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, Room 41.259.

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Science Schedule of Subjects

The following are subjects offered by the Schools in the Faculty of Science, as well as subjects from outside the Faculty, that can be counted towards the 90 credit points of Science subjects required for a Bachelor of Science degree. The required 90 credit points must include a major study in a discipline located in the Faculty of Science.

Biological Sciences

BIOL103	Molecules, Cells and Organisms	6
BIOL104	Evolution, Biodiversity and Environment	6
BIOL212	Introductory Microbiology and Immunology*	6
BIOL213	Principles of Biochemistry	6
BIOL214	The Biochemistry of Energy and Metabolism	6
BIOL215	Introductory Genetics	6
BIOL240	Functional Biology of Plants and Animals	6
BIOL241	Biodiversity: Classification and Sampling	6
BIOL251	Principles of Ecology and Evolution	6
BIOL292	Special Biology Studies	6
MARE200	Introduction to Oceanography	6
BIOL303	Biotechnology: Applied Cell and Molecular Biology	8
BIOL320	Molecular Cell Biology	8
BIOL321	Infection and Immunity	8
BIOL332	Ecological and Evolutionary Physiology	8
BIOL333	Frontiers in Field Physiology*	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	8
BIOL355	Marine and Terrestrial Ecology	8
BIOL356	Marine and Terrestrial Ecology (Environmental Science)	8
BIOL357	Field Methods in Ecology*	8
BIOL391	Advanced Biology	16
BIOL392	Advanced Biology	8
BIOL394	Critical Issues in Research	8
MARE300	Fisheries and Aquacultures	8
MARE357	Advances in Molluscan Biology	8
MARE393	Advanced Marine Science Project	8

*Not offered in 2008

Chemistry

CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	6
CHEM102	Chemistry 1B: Structure and Reactivity of Molecules for Life	6
NANO101	Current Perspectives in Nanotechnology	6
CHEM211	Inorganic Chemistry II	6
CHEM212	Organic Chemistry II	6
CHEM213	Molecular Structure, Reactivity and Change	6
CHEM214	Analytical and Environmental Chemistry	6
CHEM215	Food Chemistry	6
CHEM218	Special Chemistry Studies	6
NANO201	Research Topics in Nanotechnology	6
CHEM301	Advanced Materials and Nanotechnology	8
CHEM314	Instrumental Analysis	8
CHEM320	Bioinformatics: From Genome to Structure	8
CHEM321	Organic Synthesis and Reactivity	8
CHEM327	Environmental Chemistry	8
CHEM330	Medicinal Chemistry	8
CHEM340	Chemistry Laboratory Project	8

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CHEM350	Principles of Pharmacology	8
CHEM364	Molecular Structure and Spectroscopy	8
NANO301	Research Topics in Nanomaterials	8

Earth and Environmental Sciences

EESC101	Planet Earth	6
EESC102	Earth Environments and Resources	6
EESC103	Landscape Change and Climatology	6
EESC104	The Human Environment: Problems and Change	6
MARE200	Introduction to Oceanography	6
EESC201	Earth Surface Processes and Products	6
EESC202	Soils, Landscapes and Hydrology	6
EESC203	Biogeography and Environmental Change	6
EESC204	Introductory Spatial Science	6
EESC205	Population Studies	6
EESC206	Discovering Down Under: A Geography of Australia	6
EESC208	Environmental Impact of Societies	6
EESC210	Social Spaces: Rural and Urban	6
EESC250	Field Geology	6
EESC260	Earth and Environmental Sciences Research Project	6
EESC300	Directed Studies in Earth and Environmental Sciences A	8
EESC301	Plate Tectonics, Macrotopography and Earth History	8
EESC302	Coastal Environments: Process and Management	8
EESC303	Fluvial Geomorphology and Sedimentology	8
EESC304	Geographic Information Science	8
EESC305	Remote Sensing of the Environment	8
EESC306	Resources and Environments	8
EESC307	Spaces Places and Identities: Qualitative research design	8
EESC308	Environmental and Heritage Management	8
EESC309	Dung, Death and Decay: modern scientific methods in archaeology	8
EESC310	Water Resources and Management	8
EESC311	Human Geography Fieldwork Project	8
EESC350	Directed Studies in Earth and Environmental Sciences B	8
ENVI391	Environmental Science	8

General Science

SCIE101	Modern Perspectives in Science	6
SCIE102	International Perspectives in Science	6
SCIE202	Bioethical Challenges: A Global Perspective	6
SCIE292	Science Research Internship	6
SCIE392	Science Research Internship B	8

Subjects offered by Academic Units external to the Faculty of Science:

BMS101	Systemic Anatomy	6
BMS112	Human Physiology 1: Principles and Systems	6
BMS202	Human Physiology II: Control Mechanisms	6
BMS311	Nutrients and Metabolism	8
BMS312	Research in Human Nutrition	8
CIVL272	Surveying	6
CIVL322	Hydraulics and Hydrology	6
CIVL361	Geomechanics 1	6
CIVL462	Geomechanics 2	6

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CIVL463	Geomechanics 3*	6
CSCI103	Algorithms and Problem Solving	6
CSCI114	Procedural Programming	6
ENGG252	Engineering Fluid Mechanics	6
ENVE220	Water Quality Engineering	6
ENVE221	Air and Noise Pollution	6
ENVE385	Environment Engineering	8
ENVE420	Water Engineering*	6
INFO411	Data Mining and Knowledge Discovery	6
MATE201	Structure and Properties of Material	6
MATE304	Transport Phenomena in Materials Processes	6
MATH111	Applied Mathematical Modelling	6
MATH121	Discrete Mathematics	6
MATH141	Mathematics 1C Part 1	6
MATH142	Mathematics 1C Part 2	6
MATH161	Mathematics 1E Part 1	6
MATH162	Mathematics 1E Part 2	6
MATH187	Mathematics 1A Part 1	6
MATH188	Mathematics 1A Part 2	6
MATH151	General Mathematics IA	6
MATH201	Multivariate and Vector Calculus	6
MATH202	Differential Equations 2	6
MATH283	Mathematics IIE for Engineers Part 1	6
PHYS141	Fundamentals of Physics A	6
PHYS142	Fundamentals of Physics B	6
PHYS155	Introduction to Biomedical Physics	6
PHYS205	Advanced Modern Physics	6
PHYS206	Project in Physics	6
PHYS215	Vibrations, Waves and Optics	6
PHYS225	Electro Magnetism and Optoelectronics	6
PHYS233	Introduction to Environmental Physics	6
PHYS235	Mechanics and Thermodynamics	6
PHYS255	Radiation Physics	6
PHYS295	Astronomy: Concepts of the Universe	6
PHYS305	Quantum Mechanics	6
PHYS306	Project in Physics	6
PHYS325	Electromagnetism	6
PHYS335	Classical Mechanics	6
PHYS365	Detection of Radiation: Neutrons, Electrons and X Rays	6
PHYS375	Nuclear Physics	6
PHYS385	Statistical Mechanics	6
PHYS390	Astrophysics	6
PHYS396	Electronic Materials	6
POP204	Epidemiology	6
STAT151	Introduction to the Concepts and Practice of Statistics	6
STAT252	Statistics for the Natural Sciences	6
STAT335	Sample Surveys and Experimental Design	6

*Not offered in 2008

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SUBJECT DESCRIPTIONS

BIOL103 Molecules, Cells and Organisms

Spring Wollongong On Campus
Spring Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with SCIE122
Subject Description: Properties and characteristics of living systems. Cell structure and function. Micro-organisms and viruses. Cell division. Introductory biochemistry. Structure and function of the respiratory, digestive, excretory and muscular systems. Physiology of nervous and hormonal control systems and the immune system. Plant structure and function.

BIOL104 Evolution, Biodiversity and Environment

Autumn Wollongong On Campus
Autumn Loftus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with BIOL352.
Subject Description: Types of organisms, their classification and life styles. Ecology of populations and communities. Evolutionary biology and the origin of species.

BIOL213 Principles of Biochemistry

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BIOL103, CHEM101, and CHEM102
Co-requisites: None
Subject Description: Structure and biological functions of proteins, nucleic acids, carbohydrates and lipids and their subunits. Protein and nucleic acid synthesis in prokaryotes and eukaryotes. Membrane structure. Enzymes and their regulation. Intermediary metabolism.

BIOL214 The Biochemistry of Energy and Metabolism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BIOL213
Co-requisites: None
Subject Description: The generation and storage of metabolic energy. The major catabolic pathways. The biosynthesis of carbohydrates, lipids, proteins and nucleotides. The regulation of enzymes and of metabolic pathways and their role in cellular function. The integration of metabolism. Metabolic disorders.

BIOL215 Introductory Genetics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BIOL213
Co-requisites: None
Subject Description: Genetic variation in eukaryotic populations. Source of variation and techniques of measurement. Regulation of gene activity. Microbial genetics including transformation, conjugation and phage replication. Mechanisms for the rearrangement and exchange of genetic material including plasmids, recombination, transposons and genetic engineering.

BIOL240 Functional Biology of Plants and Animals

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BIOL103 and BIOL104
Co-requisites: None
Subject Description: Functional morphology of plants and animals. Plant/environmental interactions. Physiological and behavioural responses of animals to various environments. Reproductive biology and life history patterns of plants and animals. Please note that this subject involves animal dissections. While direct participation is not mandatory, all students will be examined on the material.

BIOL241 Biodiversity: Classification and Sampling

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: BIOL103 and BIOL104
Co-requisites: None
Subject Description: Introduction to biological diversity. Identifying biodiversity. The species concept. Principles of classification (numerical and biochemical tools). Pitfalls in classification (coevolution, physical and evolutionary constraints). Use of keys. Making and curating a collection of selected groups of organisms. Environmental surveys: quantification and importance of biological diversity. Loss of biodiversity.

BIOL251 Principles of Ecology and Evolution

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BIOL103 and BIOL104
Co-requisites: None
Subject Description: Factors and processes influencing the distribution, abundance and diversity of organisms. Population demography, growth and regulation. Species interactions, community structure and function. Design of sampling programs and experiments. Variation among organisms, genetic and environmental. Inheritance. Genetic structure of populations. Population size, breeding systems and selection, social evolution and evolution of life histories. Implications for human populations.

BIOL292 Special Biology Studies

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Available to second year students currently enrolled in the BSc Adv (Hons) program
Co-requisites: None
Subject Description: Students will undertake research projects, under the supervision of academic staff members, on design and execution of field and/or laboratory experiments and the analysis and interpretation of these data. Intending students must consult with the Head of School prior to enrolment.

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BIOL303 Biotechnology: Applied Cell and Molecular Biology

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL215
Co-requisites: None
Subject Description: Recombinant DNA technology and genetic engineering of micro-organisms, plant cells and animal cells. Expression, production and purification of recombinant proteins, cytokines and hormones. Fermentation technology and industrial scale-up. Applications of Biotechnology to the fields of human therapeutics, agriculture and diagnostics. Bioinformatics, ethical and patent issues of Biotechnology.

BIOL320 Molecular Cell Biology

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL214 and BIOL215
Co-requisites: None
Subject Description: This subject covers many specific aspects of cell biology, including cell and tissue structure, protein sorting mechanisms, secretion, membrane transport, energetics, signal transduction, apoptosis, cellular and molecular genetics of development, the cell cycle and cancer. In addition, focused lab-based practicals are offered which will provide an understanding of the techniques used for studying cell biology. These include: cell and organelle isolation and analysis, growth of various cell types in aseptic culture, observation and manipulation of cellular functions and cell surface labelling and protein blotting.

BIOL321 Infection and Immunity

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL320
Co-requisites: None
Subject Description: This is a third year (senior) undergraduate subject intended to provide students in the BSc and B Biotech degrees with an understanding of leading edge aspects of microbial pathogens, the immune system, and the ways in which the immune system defends the body against pathogens. It extends understanding gained during BIOL320 (Molecular Cell Biology) and is a specified 'core' subject for the B Biotech degree. This subject will survey the major groups of microbial pathogens before examining the multiple facets of the immune system in humans. The interactions between pathogens and the immune system will be explored, both in theory and as an integrated part of the practical exercises. Technological advances in immunology and immunochemistry that have made major impacts on modern biotechnology will also be studied, including monoclonal and 'humanized' antibodies, and recombinant vaccines.

BIOL332 Ecological and Evolutionary Physiology

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL240
Co-requisites: None
Subject Description: Physiological and biochemical characterisation of organisms in relation to size, metabolic intensity, and response to environmental variables. Physiological responses of plants and animals to variations in light intensity, solar radiation, temperature, gas composition, and pressure. Evolution of aerobic metabolism, aerobic capacity and endothermy. Physiological processes associated with phenotypic plasticity and adaptive traits. Physiological correlates of life-history variation.

BIOL351 Conservation Biology: Marine and Terrestrial Populations

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL251 and STAT252
Co-requisites: None
Subject Description: Field camps and are an integral part of this subject. Describing populations - demography, life tables, genetic structure. Factors regulating population growth - competition herbivory, predation, environmental disturbance. Natural selection. Frequency-dependence and density-dependence. Phenotypic plasticity. Sex, recombination and breeding systems. Localised adaptation. Hybrids and hybrid zones. Mechanisms of evolution and speciation. Population biology in relation to conservation - minimum population sizes, inbreeding depression, genetic tolerance of extreme conditions.

BIOL352 Biology For Environmental Engineers

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with BIOL104.
Subject Description: Types of organisms, their classification and life styles. Ecology of populations and communities. Evolutionary biology and the origin of species. This subject includes a set of tutorials specifically designed for Environmental Engineers.

BIOL355 Marine and Terrestrial Ecology

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL241, BIOL251, and STAT252
Co-requisites: None
Subject Description: Introduction to ecology - levels of organisation (individual, population, community, ecosystem). Experiments in ecology - their design, analysis and interpretation. Biotic interactions: competition, herbivory, predation, mutualisms. Disturbance, catastrophe and community structure and function. Behavioural ecology: innate vs learned behaviours and their effects on individual fitness, demography and community structure. Factors affecting species richness.

BIOL356 Marine and Terrestrial Ecology (Environmental Science)

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL251 and STAT252
Co-requisites: None
Subject Description: Introduction to ecology - levels of organisation (individual, population, community, ecosystem). Experiments in ecology - their design, analysis and interpretation. Biotic interactions: competition, herbivory, predation, mutualisms. Disturbance, catastrophe and community structure and function. Behavioural

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ecology: innate vs learned behaviours and their effects on individual fitness, demography and community structure. Factors affecting species richness. A substantial amount of the practical work will be environmental science projects conducted in the Illawarra region.

BIOL391 Advanced Biology

Spring Wollongong On Campus
Autumn Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 16
Pre-requisites: Distinction average or higher performance in subjects pertinent to the intended area of research, as approved by the Head of School
Co-requisites: None
Subject Description: Two research projects are to be undertaken with different supervisors, designed and chosen in consultation with these academic staff members. Emphasis may be placed on developing competence in a range of laboratory and field techniques not already familiar to the student. Selection for Advanced Biology is based on merit, and intending students should consult the Coordinator before enrolment.

BIOL392 Advanced Biology

Spring Wollongong On Campus
Autumn Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: Distinction average or higher performance in subjects pertinent to the intended area of research, as approved by the Head of School
Co-requisites: None
Subject Description: One research project is to be undertaken, designed and chosen in consultation with an academic staff member. Emphasis may be placed on developing competence in a range of laboratory and field techniques not already familiar to the student. Selection for Advanced Biology is based on merit, and intending students should consult the Coordinator before enrolment.

BIOL394 Critical Issues in Research

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Distinction average or higher performance in biology subjects and approval by the Head of School
Co-requisites: None
Subject Description: This subject critically examines current research topics that directly relate to studies being undertaken in Biological Sciences at UOW. These studies are at the cutting edge of research and have the potential to cover most areas of biology. The topics chosen in a given year are tailored both to the interests of the academics teaching it and to the background of students enrolling in the subject. Students must gain approval from the Head of School before enrolling in this subject.

BIOL401 Biology Honours

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 48
Pre-requisites: Passing a major sequence in Biology at 300-level at a standard approved by the Head of the School
Co-requisites: None
Exclusions: Not to count for credit with BIOL402, BIOL403, or BIOL404.
Subject Description: Students wishing to proceed to honours should consult the Honours Co-ordinator as soon as possible during their third year.

BIOL402 Biology Joint Honours

Spring2008/Autumn2009 Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: Passing a major sequence in Biology at 300-level at a standard approved by the Head of the School
Co-requisites: Enrolment in a 24 credit point Honours subject offered by another Academic Unit.
Exclusions: Not to count for credit with BIOL401, BIOL403, or BIOL404.
Subject Description: Students wishing to proceed to joint honours should consult the Honours Co-ordinator as soon as possible during their third year.

BIOL403 Biology Honours Part 1 for Part-Time Students

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: Passing a major sequence in Biology at 300-level at a standard approved by the Head of the School
Co-requisites: None
Exclusions: Not to count for credit with BIOL401 or BIOL402.
Subject Description: Students wishing to proceed to honours should consult the Honours Co-ordinator as soon as possible during their third year.

BIOL404 Biology Honours Part 2 for Part-Time Students

Spring2008/Autumn2009 Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: Passing a major sequence in Biology at 300-level at a standard approved by the Head of the School. BIOL403 required.
Co-requisites: None
Exclusions: Not to count for credit with BIOL401 or BIOL402.
Subject Description: Students wishing to proceed to honours should consult the Honours Co-ordinator as soon as possible during their third year.

BIOL421 Professional Skills in Biotechnology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: Completion of the third year of the Bachelor of Biotechnology - Credit Average
Co-requisites: None
Subject Description: This subject deals with biotechnology regulation and the development of skills required to follow a career in research in the biotechnology area. Topics include Australian biotechnology and regulations, ethics of biotechnology, intellectual property and the patent system. Skills development exercises include bioinformatics,

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patent searching, scientific paper writing and critiquing and the preparation of a CV and job application, applications for animal ethics, grants and use of genetically modified organisms.

BIOL423 Biotechnology Project

Annual Wollongong On Campus
Credit Points: 36
Pre-requisites: Completion of the third year of the Bachelor of Biotechnology
Co-requisites: BIOL421 (during Autumn Session)
Subject Description: This subject is comprised of a research project performed under the supervision of one or more members of academic staff. The topic of research is initially proposed by the supervisor(s) but may be modified in consultation with the individual student. As part of this subject, apart from a final thesis, the student must present an initial Research Seminar and a final Seminar (on the topic of his/her research project), and submit a Research Manuscript and a Research Poster.

CHEM101 Chemistry IA: Introductory Physical and General Chemistry

Autumn Loftus On Campus
Autumn Wollongong On Campus
Summer 2008/2009 Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with CHEM103.
Subject Description: Fundamentals: atomic structure, nomenclature, balancing equations, mole and stoichiometric calculations. Matter molecular scale: electron configuration, periodicity, bonding, shape. Matter macroscale: gases liquids solids. Thermochemistry. Chemical, acid base equilibria. Physical equilibria and colligative properties.

CHEM102 Chemistry 1B: Structure and Reactivity of Molecules for Life

Spring Loftus On Campus
Spring Wollongong On Campus
Summer 2008/2009 Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Chemical kinetics, electrochemistry and thermodynamics. Organic chemistry: nomenclature, functional groups, isomerism, hydrocarbons, alkenes/alkynes and electrophilic addition, aromatic compounds and electrophilic substitution, functional groups chemistry and nucleophilic substitution/elimination, synthetic and natural polymers.

CHEM103 Introductory Chemistry For Engineers

Autumn Wollongong On Campus
Summer 2008/2009 Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with CHEM101.
Subject Description: Fundamentals: nomenclature and stoichiometry. Atomic theory, bonding and structure. Properties of matter. Reactions: thermochemistry, thermo dynamics, chemical equilibria, acid base equilibria and kinetics. Introductory organic chemistry. Environmental chemistry: pollution and pollution control. Electrochemistry: redox, galvanic cells, electrolysis and corrosion. Chemical basis of engineering materials such as metals, semiconductors, polymers, fuels, adhesives.

CHEM211 Inorganic Chemistry II

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CHEM101 and CHEM102
Co-requisites: None
Subject Description: Introduction to modern coordination chemistry; crystal field theory; magnetism; UV - visible spectra of transition metal complexes; symmetry; bioinorganic chemistry; medicinal inorganic chemsistry and toxicology.

CHEM212 Organic Chemistry II

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CHEM101 and CHEM102
Co-requisites: None
Subject Description: The subject introduces students to the theory and practice of modern organic chemistry. Topics covered include: Mechanisms of nucleophilic substitution and elimination reactions. Synthesis and reactions of carboxylic acids, aldehydes, ketones, alcohols, phenols, ethers and amines. Electrophilic aromatic substitution (synthesis of multi-synthetic aromatics). Oxidation and reduction processes. Modern organic synthetic methods, theory and practice (beta-dicarbonyl compounds, alkylation/acylation of ketone and ester enolates, Wittig reaction, aldol reaction). Application of infra-red, mass spectrometry and nuclear magnetic resonance (1-H and 13-C NMR) to organic structure determination. Stereochemistry.

CHEM213 Molecular Structure, Reactivity and Change

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: CHEM101, CHEM102 and Faculty of Science minimum mathematics requirement
Co-requisites: None
Subject Description: When looking at chemical systems, three fundamental questions arise: to what extent will they react, how quickly will they react and what is the structure of molecules involved? This subject explores these topics through the key topics of thermodynamics and kinetics and provides an understanding of experimental studies and their relationship to theory. These macroscopically observed properties are then discussed in relation to fundamental molecular properties, including an introduction to simple quantum concepts and the rotational/vibrational spectroscopy of diatomic molecules. In addition, colloidal systems, including micellar phases, are used as examples of molecular self-assembly, where intrinsically unstable phases are maintained by kinetic factors.

CHEM214 Analytical and Environmental Chemistry

Spring Wollongong On Campus
Credit Points: 6

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Pre-requisites: (CHEM101 and CHEM102) or CHEM103 and Faculty of Science minimum mathematics requirement.
Co-requisites: None
Subject Description: This subject is an introduction to analytical chemistry and its application to environmental and biological systems. It provides an excellent introduction to the separation and quantification of various compounds through the application of a range of current analytical techniques. It will provide an understanding of sample compositions, sample preparation and analysis, and data interpretation using statistics. The material will be presented in lectures, workshops, and laboratory exercises.

CHEM215 Food Chemistry

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: CHEM101 and CHEM102
Co-requisites: None
Subject Description: Only listed in the Health & Behavioural Sciences Schedule. This subject is designed as a core subject in the BSc (Nutrition) program. Description: Types of nutrients, energy value of food. Fats, carbohydrates, and proteins in foods. Colloidal systems. Essential trace elements, vitamins. Cooking, preservation and processing of food. Chemical additives and toxins in food.

CHEM218 Special Chemistry Studies

Spring Wollongong On Campus
Autumn Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Credit Points: 6
Pre-requisites: Entry restricted to BSc Adv (Hons) candidates
Co-requisites: None
Subject Description: This subject is intended to introduce advanced chemistry students to modern chemical research. It provides an opportunity for student centred learning, allowing the student to connect the content of the conventional chemistry subjects they have already undertaken to cutting-edge chemical research. CHEM218 provides a first opportunity for undergraduate students to experience the excitement of working at the frontiers of science. The subject takes the form of a small research based project undertaken with the supervision of a member of staff and it may include research assistance, directed reading, computer-based studies and/or library assignments. Students should consult the subject coordinator and find a suitable project with a willing project supervisor prior to enrolling in CHEM218.

CHEM301 Advanced Materials and Nanotechnology

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: CHEM211
Co-requisites: None
Subject Description: Nanotechnology is the design and fabrication of functional materials at the molecular level. It is one of the fastest growing areas of scientific research, spanning chemistry, physics, biology and materials science. This subject provides an introduction to polymers, ceramics, carbon nanotubes and other advanced materials that are the building blocks of nanotechnology. It also explores how supramolecular chemistry is used to synthesise assemblies of molecules for applications including sensing, catalysis, artificial photosynthesis and molecular electronics.

CHEM314 Instrumental Analysis

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: CHEM214
Co-requisites: None
Subject Description: The principles underlying common instrumental methods will be discussed in lectures, specifically instrument development and components, operation and application, and their advantages and limitations. The accompanying laboratory component provides an opportunity for hands-on experience.

CHEM320 Bioinformatics: From Genome to Structure

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL213
Co-requisites: None
Subject Description: This subject will be divided into three strands of approximately equal length: (i) Bioinformatics, (ii) Biological macromolecules (proteins and nucleic acids) - structure and function, and (iii) Proteomics. In the practical classes, bioinformatics will be explored in computer-based tutorials and practicals. Databases for nucleic acid and protein sequences, structures and other parameters of biological molecules, plus linkages to the scientific literature, will be used to extract information and to compare and analyse these data. Proteomics and protein and nucleic acid structure will also be investigated via computer-based practicals. In the laboratory, the sequence of a dipeptide will be determined and structure/function aspects of the protein, lysozyme, will be analysed.

CHEM321 Organic Synthesis and Reactivity

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: CHEM212
Co-requisites: None
Subject Description: Reactive intermediates: free radicals, carbenes, arenes: generation, determination, reactions. Stereochemistry: physical detection of stereochemistry by n.m.r., C.D. etc; enantioselective synthesis and computer modelling. Synthesis: carbocyclic synthesis and theory and applications to natural product synthesis. Heterocycles: synthesis, reactions and applications of common heterocycles.

CHEM327 Environmental Chemistry

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: CHEM214
Co-requisites: None
Subject Description: The environment depends on complex interactions of chemical, physical and biological processes. These can be both natural and anthropogenic in origin. In this subject the chemical aspects are highlighted in three strands: atmospheric chemistry, aquatic chemistry and soil chemistry. The subject also investigates methods for assessing the chemical state of the environment.

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CHEM330 Medicinal Chemistry

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: CHEM212 and BIOL214 and BMS202. Entry restricted to BMedChem candidates.
Co-requisites: None
Subject Description: The concepts, principles and applications of medicinal chemistry are examined and include: drug lead discovery, investigation into the key molecular features necessary for medicinal action, drug metabolism, stereochemistry/chirality and drug action, modern methods in drug design including computer-aided molecular modelling. This subject also has guest lecturers who are experts in the varying fields of medicinal chemistry. This could include speakers from pharmaceutical companies or from research institutes.

CHEM340 Chemistry Laboratory Project

Summer 2008/2009 Wollongong On Campus
Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Four 200-level Chemistry subjects. Restricted entry. Admission by application to Head of School of Chemistry
Co-requisites: Two 300-level Chemistry subjects
Subject Description: Research projects are undertaken under the direct guidance of an academic supervisor, chosen after consultation with academic staff and the Head of School. The projects will introduce students to a range of advanced experimental techniques, and familiarise them with the scientific approach to research. Students must attend School seminars. Selection for this laboratory project is based on merit, and intending students should consult with the Head before enrolment.

CHEM350 Principles of Pharmacology

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: (CHEM212 or BIOL214) and BMS202. CHEM350 is normally restricted to BMedChem candidates. Other students should contact the co-ordinator.
Co-requisites: None
Subject Description: This subject is designed to introduce students to the basic concepts of pharmacology. Topics covered will include, receptors and molecular basis of drug action, drug disposition and bioavailability, kinetics of drug action, factors affecting drug activity, in vitro and in vivo screening procedures, pharmacology of prototype drugs, and drug interactions.

CHEM364 Molecular Structure and Spectroscopy

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: CHEM213
Co-requisites: None
Subject Description: Determining the structure of a molecule is the key to unlocking its chemistry. In the 21st century there are numerous approaches for determining molecular structure. These include, experimental spectroscopic techniques and theoretical predictions, which make use of the increasing power of computers. This combination of experimental and theoretical techniques, are powerful and complementary methods for determining molecular structure and reactivity. This multi-faceted subject covers the fundamentals of computational chemistry and spectroscopy and their applications to problems of molecular structure determination. Students will gain experience in conducting and interpreting; electronic structure calculations, optical (infrared, visible & ultraviolet) spectroscopy, mass spectrometry, and nuclear magnetic resonance spectroscopy. A formal treatment of molecular symmetry is also included. Applications of these methods to organic, inorganic, biological and gas-phase systems are covered.

CHEM401 Chemistry Honours

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 48
Pre-requisites: Normally at least 32 credit points of 300-level Chemistry subjects at an appropriate standard (credit average).
Co-requisites: None
Exclusions: Not to count with CHEM402, 403, or 405.
Subject Description: Coursework: advanced topics and skills for chemistry research including oral and written communication, project management, library techniques and OH&S. Research Project: each year, available projects are provided by the School of Chemistry. See Co-ordinator or Head of School.

CHEM402 Chemistry Honours Part 1 For Part-Time Students

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: Normally at least 32 credit points of 300-level Chemistry subjects at an appropriate standard (credit average).
Co-requisites: None
Exclusions: Not to count with CHEM401 or CHEM405
Subject Description: Coursework: advanced topics and skills for chemistry research including oral and written communication, project management, library techniques and OH&S. Research Project: each year, available projects are provided by the School of Chemistry. See Co-ordinator or Head of School.

CHEM403 Chemistry Honours Part 2 for Part-Time Students

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: Normally at least 32 credit points of 300-level Chemistry subjects at an appropriate standard (credit average). CHEM402 required.
Co-requisites: None
Exclusions: Not to count with CHEM401 or CHEM405.
Subject Description: Coursework: advanced topics and skills for chemistry research including oral and written communication, project management, library techniques and OH&S. Research Project: each year, available projects are provided by the School of Chemistry. See Co-ordinator or Head of School.

CHEM405 Chemistry Joint Honours

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: Normally at least 24 credit points

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of 300-level Chemistry subjects at an appropriate standard (credit average). Entry is subject to the approval of the Head of School of Chemistry.
Co-requisites: This subject is taken with 24 credit points at 400-level from another School.
Exclusions: Not to count with CHEM401, 402, or 403.
Subject Description: Coursework: advanced topics and skills for chemistry research including oral and written communication, project management, library techniques and OH&S. Research Project: each year, available projects are provided by the School of Chemistry. See Co-ordinator or Head of School.

CHEM440 Selected Topics in Medicinal Chemistry

Annual Wollongong On Campus
Credit Points: 16
Pre-requisites: CHEM330. Entry restricted to BMedChem candidates.
Co-requisites: None
Subject Description: This subject covers specialist topics in a variety of medicinal chemistry areas. Topics to be selected from could include structure-based ligand design (including computer-aided drug design); structure-pharmacological property relationships; synthesis and applications of radiopharmaceuticals; drug stability and formulation; toxicology and metabolism; advanced synthetic chemistry (including asymmetric synthesis and chiral drugs); bioactive natural products and drug development (including medicinal plant studies), toxicology and advanced proteomics.

CHEM460 Medicinal Chemistry Project

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 32
Pre-requisites: CHEM330 and CHEM350. Entry restricted to BMedChem candidates.
Co-requisites: None
Subject Description: A list of research projects in medicinal chemistry available for study in any one year will be provided by the School of Chemistry. The development of appropriate joint projects within or outside the University is actively encouraged.

EESC101 Planet Earth

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with GEOS251, GEOS252, or GEOS111
Subject Description: How does the solid planet Earth function and of what does it consist? This subject provides an introduction to earth sciences by considering topics such as geological time, the solar system, the interior of Earth, tectonics and structural geology, crystals, minerals, volcanoes and volcanic processes, and characteristics of igneous, sedimentary and metamorphic rocks.

EESC102 Earth Environments and Resources

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with GEOS102
Subject Description: The frequent conflicts between resource utilisation and its environmental consequences are of major concern in modern societies. This subject considers the implications and environmental and geological aspects of resource utilisation on Earth. Topics include economic geology: gold, metals, water, coal, oil and gas; industrial minerals; geophysical exploration; mining and resources; sedimentary processes, products and environments of deposition; fossils and palaeoecology.

EESC103 Landscape Change and Climatology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with GEOS112
Subject Description: This subject examines the physical geography of our planet including the character of the oceans and their interaction with the land masses, the behaviour of the atmosphere, world-wide weather and climatic patterns, climatic change, major distributions of soil and biota, and the Earth's landforms. The latter includes information on weathering, theories of landform evolution, hillslope processes, glaciation, hydrology, river and coastal processes, and deserts. Laboratory classes concentrate on map and air photograph interpretation.

EESC104 The Human Environment: Problems and Change

Spring Wollongong On Campus
Spring Shoalhaven On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Moss Vale On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with GEOS142
Subject Description: This subject introduces students to the central themes of human geography. The themes introduced in this subject include cultural, tourism, social, population and development geographies. A number of questions are examined to introduce these themes. These questions include those that investigate cultures of natures, national identities, international migration, mechanisms of world population growth and global inequalities. Through introducing these themes this subject aims to increase awareness and understanding of the relationships between the environment and culture, tourism, population and economic growth. Practical classes introduce students to a range of analytical techniques used in human geography. These techniques including deconstruction, content analysis and participant observation are applied to a range of subject-relevant problems.

EESC201 Earth Surface Processes and Products

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of 100-level EESC or GEOS subjects.
Co-requisites: None
Exclusions: Not to count for credit with MARE218

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Subject Description: This subject provides an overview of volcanology, marine sediments, sedimentary environments and fossils using local field examples as a teaching platform. Topics include: styles and mechanisms of volcanic eruptions; distribution and characteristic features of erupted volcanic products; clastic high and low-energy shelf sediments; evaporates; reefs and cool water carbonates; deep ocean sediments; marine transport mechanisms; major marine invertebrate groups and their fossil records; palaeoecology; and application of stable isotopes in marine environments.

EESC202 Soils, Landscapes and Hydrology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of 100-level EESC or GEOS subjects.
Co-requisites: None
Exclusions: Not to count for credit with GEOS214
Subject Description: The interdependence of landform, hydrology and soil, together with time and place, are the major factors influencing landscape evolution. This subject examines denudation of highlands; survival of ancient landscapes; climatic and geomorphic controls on landforms; erosion; weathering processes and the formation of soils, desert dunes, laterites, silcretes and calcretes; soil surveying: environmental records of lakes; groundwater and surface-water processes and chemistry; dating of land-surfaces and groundwater; the hydrological cycle.

EESC203 Biogeography and Environmental Change

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of 100-level EESC or GEOS subjects.
Co-requisites: None
Exclusions: Not to count for credit with GEOS222
Subject Description: The present environment of Australia is the legacy of interactions between geological, biological and hydrological processes and human impacts. This subject links the biogeographical study of the distribution of plants and animals and their interaction with the physical environment to long-term environmental change. Set within the context of long-term geological and climate change, topics include: the origins of Australian flora and fauna, the impact of long-term climatic change, anthropogenic effects on biota, and the impact of fire. Modern techniques used to reconstruct ecosystems and climates, map vegetation and human impact, and to analyse vegetation data are presented.

EESC204 Introductory Spatial Science

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with EESC213
Subject Description: This subject aims to provide students with a comprehensive introduction to the theory and practice of dealing with geospatial technologies, collectively termed 'spatial science'. Spatial science draws upon concepts, tools and skills from several other related disciplines (primarily geography, cartography and computer science) and technologies (GIS, remote sensing, GPS). In essence, spatial science is concerned with all aspects of dealing with spatially referenced data (that is, data for which the location of a feature or phenomenon is important and is known). This includes identifying the nature and location of features (geodetics, global positioning, remote sensing), and representing those features on maps (cartography) that are stored in a computer information system (GIS). It also encompasses exploring where the features are located in relation to each other and other features (spatial analysis, geostatistics, geo-visualisation), and what this means for issues in the real world.

EESC205 Population Studies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of 100-level EESC or GEOS subjects.
Co-requisites: None
Exclusions: Not to count for credit with GEOS349 or EESC212
Subject Description: This subject is designed to introduce students to a range of demographic issues that are globally, nationally and regionally/locally significant. The lecture content is designed to enable students to critically study how geographers analyse population issues and how this analysis overlaps with other disciplines. In practical classes, the objective is that students will learn skills in handling cencus data, social mapping, critical thinking, group work and presentation skills.

EESC206 Discovering Downunder: A Geography of Australia

Spring Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of any 100-level subjects
Co-requisites: None
Exclusions: Not to count for credit with GEOS233 or EESC214
Subject Description: This is a broad yet coherent overview of the physical and human environments of contemporary Australia. Within individual topics we emphasise the importance of spatial and temporal scale, interactions between people and the environment, and key research questions. Topics include landforms; climate; vegetation; coasts; rivers and deserts; indigenous Australia; population; industry and agriculture; cities, suburbs and rural settlement; and interactions with Australia's near neighbours. Weekend fieldtrip will be required.

EESC208 Environmental Impact of Societies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of any 100-level subjects
Co-requisites: None
Exclusions: Not to count for credit with GEOS231 or EESC215
Subject Description: Humans have been transforming the Earth and its processes for many thousands of years. This subject provides an overview of those long term interactions as a context for better understanding contemporary environmental concerns. Topics include prehistoric human interactions with the environment, and Australian environmental issues (e.g. climate change, cities, energy, pollution, food supply,

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biodiversity) in a global context. Students will be introduced to a variety of research methods relevant to this field. A weekend fieldtrip may be required.

EESC210 Social Spaces: Rural and Urban

Spring Wollongong On Campus
Spring Bega On Campus
Spring Shoalhaven On Campus
Spring Batemans Bay On Campus
Spring Moss Vale On Campus
Credit Points: 6
Pre-requisites: Normally EESC104 or GEOS142 or 6 credit points of 100-level Sociology
Co-requisites: None
Exclusions: Not to count for credit with GEOS242, GEOS243, or EESC211
Subject Description: This subject examines the global and national processes that shape the social, economic and spatial characteristics of Australian regions. Students will study issues such as urbanisation, economic restructuring, population dynamics, and urban and regional policy to explore how contemporary urban and rural landscapes have been formed and how they are being constantly reshaped. Recent examples, such as dairy industry restructuring and changes in regional towns, will be used to make connections between these broader influences and specific aspects of Australian urban and rural life. Through workshops and assignments, students will develop practical skills and knowledge in areas such as media analysis and the use of census and other data sources. Contact hours include fieldtrips to farms and country towns. Fieldtrip schedules may include 2 one day fieldtrips. Fieldtrips are run in lieu of other classes such as lectures and tutorials.

EESC211 Rural and Urban Social Geography

Spring Wollongong On Campus
Spring Shoalhaven On Campus
Spring Bega On Campus
Spring Batemans Bay On Campus
Spring Moss Vale On Campus
Credit Points: 8
Pre-requisites: Normally EESC104 or GEOS142 or 6 credit points of 100-level Sociology
Co-requisites: None
Exclusions: Not to count for credit with GEOS242, GEOS243, or EESC210
Subject Description: This subject examines the global and national processes that shape the social, economic and spatial characteristics of Australian regions. Students will study issues such as urbanisation, economic restructuring, population dynamics, and urban and regional policy to explore how contemporary urban and rural landscapes have been formed and how they are being constantly reshaped. Recent examples, such as dairy industry restructuring and the changes in regional towns, will be used to make connections between these broader influences and specific aspects of Australian urban and rural life. Through workshops and assignments, students will develop practical skills and knowledge in areas such as media analysis and the use of census and other data sources. Contact hours include fieldtrips to farms and country towns. Fieldtrip schedules may include 2 one day fieldtrips. Fieldtrips are run in lieu of other classes such as lectures and tutorials.

EESC212 Geographical Population Studies

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 12 credit points of any 100-level subjects
Co-requisites: None
Exclusions: Not to count for credit with EESC205 or GEOS349
Subject Description: This subject is designed to introduce students to a range of demographic issues that are globally, nationally and regionally/locally significant. The lecture content is designed to enable students to critically study how geographers analyse population issues and how this analysis overlaps with other disciplines. In practical classes the objective is that students will learn skills in handling census data, social mapping, critical thinking, group work and presentation skills.

EESC213 Introduction to Spatial Science

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with EESC204 or EESC914
Subject Description: This subject provides a comprehensive introduction to the theory and practice of dealing with geospatial technologies, collectively termed 'spatial science'. Spatial science draws upon concepts, tools and skills from several other related disciplines (primarily geography, cartography and computer science) and technologies (GIS, remote sensing, GPS). In essence, spatial science is concerned with all aspects of dealing with spatially referenced data (that is, data for which the location of a feature or phenomenon is important and is known). This includes identifying the nature and location of features (geodetics, global positioning, remote sensing), and representing those features on maps (cartography) that are stored in a computer information system (GIS). It also explores spatial analysis, geostatistics, and geo-visualisation and their implications for the real world.

EESC214 Discovering Downunder: a Geography of Australia

Spring Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: 12 credit points of any 100-level subjects
Co-requisites: None
Exclusions: Not to count for credit with EESC206 or GEOS233
Subject Description: This is a broad yet coherent overview of the physical and human environments of contemporary Australia. Within individual topics we emphasise the importance of spatial and temporal scale, interactions between people and the environment, and key research questions. Topics include landforms, climate, vegetation, coasts, rivers and deserts, indigenous Australia, population, agriculture, urban settlements, and interactions with Australia's near neighbours. Weekend fieldtrip will be required.

EESC215 Environmental Impact of Societies

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 12 credit points of any 100-level subjects
Co-requisites: None

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Exclusions: Not to count for credit with EESC208 or GEOS231
Subject Description: Humans have been transforming the Earth and its processes for many thousands of years. This subject provides an overview of those long term interactions as a context for better understanding contemporary environmental concerns. Topics include prehistoric human interactions with the environment, and Australian environmental issues (e.g. climate change, cities, energy, pollution, food supply, biodiversity) in a global context. Students will be introduced to a variety of research methods relevant to this field. A weekend fieldtrip may be required.

EESC250 Field Geology

Summer 2008/2009 Wollongong Flexible
Credit Points: 6
Pre-requisites: GEOS111 or EESC101, or satisfactory progress in EESC102
Co-requisites: None
Exclusions: Not to count for credit with GEOS205 or GEOS301
Subject Description: The subject is taught and assessed on the basis of work completed during a 12 day field tutorial to view, describe and interpret well-exposed, coastal rock sequences on the south coast of New South Wales. A variety of techniques will be used for measurement of stratigraphic sections, description and interpretation of geological structures, detailed sedimentary and volcanic facies assessment, and the organisation and production of geological maps, field mapping exercises and reports.

EESC252 Geology for Engineers I

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with: GEOS102, GEOS111, GEOS251, EESC101, or EESC102
Subject Description: This subject provides an introduction to geology applied to engineering. Topics include rock-forming minerals; petrology and physical properties of igneous, sedimentary and metamorphic rocks; weathering and erosion; basic geological structures and identification of unstable rock masses; geological mapping and three-point problems; geological controls on groundwater flow and chemistry; geophysics; site investigations; and the relationship between geology and various engineering works such as excavations, tunnels, dams and foundations.

EESC260 Earth and Environmental Sciences Research Project

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of 100-Level EESC or GEOS subjects. Enrolment in BSc Adv (Hons) program.
Co-requisites: None
Exclusions: Not to count for credit with GEOS292
Subject Description: This subject involves the study of specific research topics in the Earth and Environmental Sciences under the guidance of a member of staff. The study may include research assistance, directed reading, computer-based studies, and/or library assignments. Emphasis will be placed on the appropriate design and execution of field or laboratory experiments and/or studies involving the analysis and interpretation of data. Students will develop skills in the acquisition and presentation of data in verbal and written form.

EESC300 Directed Studies in Earth and Environmental Sciences A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Restricted Entry. Admission by application to Head of School of Earth and Environmental Sciences.
Co-requisites: None
Exclusions: Not to count for credit with GEOS381
Subject Description: This subject consists of directed reading, field and laboratory work (as required) and writing, leading to the production of a major research essay/project report or reports in a field selected by the student and approved by the Supervisor.

EESC301 Plate Tectonics, Macrotopography and Earth History

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 12 cp of 200-level EESC or GEOS subjects, normally including either EESC201 or EESC202
Co-requisites: None
Exclusions: Not to count for credit with GEOS304
Subject Description: This subject outlines the theory of plate tectonics and evaluates its role as the dominant control of macrotopography on Earth. Large-scale long-term and short-term processes that control landforms and bathymetry are examined in relation to plate boundaries, ocean basins, continental margins, continental interiors and sedimentary basins. Earth structure is examined along with earthquakes and deformation (stress, strain, faulting and folding). Aspects of Earth history are considered in relation to past mountain belts, continents and oceans. Practicals are a series of tutorials designed to reinforce the material covered in lectures. Field work consists of up to two field trips.

EESC302 Coastal Environments: Process and Management

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 12 cps of 200-level GEOS or EESC subjects
Co-requisites: None
Exclusions: Not to count for credit with MARE323 or GEOS323
Subject Description: This subject examines sedimentary and ecological processes on the coast and explores coastal management issues in the context of these processes. Topics include the morphology, evolution and morphodynamics of coastal landforms, particularly beaches, estuaries, deltas, coastal barriers, dunes and coral reefs. The role of different wave regimes, tectonic processes, sea-level change and extreme events in shaping the coast is examined.

EESC303 Fluvial Geomorphology and Sedimentology

Autumn Wollongong On Campus
Credit Points: 8

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Pre-requisites: 18 cps of 200-level GEOS or EESC subjects, normally including EESC201 and EESC202
Co-requisites: None
Exclusions: Not to count for credit with GEOS321
Subject Description: Rivers play a dynamic role in shaping the Earth's landforms (geomorphology), constructing sedimentary sequences of economic importance (sedimentology), and presenting flood and erosion hazards, all of which greatly influence human use of the Earth's surface. This subject examines processes forming and modifying contemporary drainage basins, interprets fluvial sedimentary records and relates changes in these records to variations in climate and depositional environment. Attention is given to human modification and the management of river systems.

EESC304 Geographic Information Science

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: EESC204 or EESC213
Co-requisites: None
Exclusions: Not to count for credit with GEOS339
Subject Description: This subject builds upon the concepts and software skills developed in EESC204 to develop your ability to act as an an independent problem-solver, ready to use GIS either for further research or in a job setting. Over the semester, you will build this ability by working together as a class to complete a real-world GIS project from 'start to finish'. You will work in teams during lectures to design the project based on relevant examples from the academic literature. You will work independently in the practical sessions to carry out the analysis for the project. At the end of the semester, you will produce a report of project results in the form of an article for submission to a journal. For the final exam, you will describe a research plan for a GIS project in your own area of interest.

EESC305 Remote Sensing of the Environment

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: EESC204 or EESC213 or equivalent
Co-requisites: None
Exclusions: Not to count for credit with GEOS239
Subject Description: Remote sensing is an important tool for monitoring and modelling the condition and dynamics of terrestrial, aquatic and atmospheric environments. Biophysical information extracted from images may be used in many ways, as image or thematic maps, directly in decision making, as estimates of biophysical variables or integrated with other spatial information systems for further analysis and display. This subject is a logical progression from EESC204, the latter having not only provided the student with an introduction to the theory and practice of geospatial technologies, but basic knowledge of remote sensing principles. EESC305 emphasises digital image processing for analysis of remotely sensed imagery, including airborne and satellite multispectral and hyperspectral data. Practical sessions will involve a progression of common analysis techniques and tutorials. Concepts and skills acquired will be sequentially applied in these sessions.

EESC306 Resources and Environments

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 12cp of 200-level EESC or GEOS subjects, normally including either EESC201 or EESC202
Co-requisites: None
Exclusions: Not to count for credit with GEOS302 and GEOS307
Subject Description: This subject covers the major concepts in metalliferous deposits and coal resources. Topics include the types and genesis of ore in igneous, metamorphic and sedimentary rocks, the formation and properties of coal, assessment of coal rank and type. The applications of geochemical methods and geophysical methods such as seismic, magnetic, gravity electrical and radiometric to the discovery and evaluation of deposits will be introduced. Professional matters such as the calculation of reserves, code of ethics and mining techniques will be introduced.

EESC307 Spaces, Places and Identities: Qualitative research design

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 12cp of any 200-level subjects
Co-requisites: None
Subject Description: The lecture content is designed to enable students to critically study how geographers have conceptualised space/place. Different geographical approaches will be introduced in this subject that investigate the connections that have been made between place making processes and identity. Drawing on case studies, the relationships between place and identity will be explored in the context of places of the nation, resistance, pleasure and fantasy. Underpinning the design of workshops is the objective that students will learn skills to transfer into their career paths. Proficiency in three areas is concentrated upon in the subject: qualitative research, team-work and presentation skills. Employers often seek graduates with demonstrated skills in team-work, critical thinking, oral communication and report writing. This subject is designed to enable students to develop these skills.

EESC308 Environmental and Heritage Management

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 12cp of 200-level EESC or GEOS subjects
Co-requisites: None
Exclusions: Not to count for credit with GEOS331 or GEOS333
Subject Description: This subject presents geographic perspectives on environmental and heritage management. We examine environmental and cultural values and how they are translated into practice to protect and manage landscapes, places, resources and ecosystems. Consequently, the subject will consider definitions of concepts such as environment, nature and heritage as well as legislative and policy frameworks in Australia and overseas. These themes will be pursued through studies of issues such as indigenous land and heritage management, wilderness identification and management, catchment management and restoration

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of ecosystems and the built environment. The subject is relevant for students specialising in any of the EESC strands. Contact hours include a one day fieldtrip.

EESC309 Dung, Death and Decay: Modern scientific methods in archaeology

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: 12cp from EESC101, EESC102, EESC103 and BIOL104; plus 12cp from EESC201, EESC202, EESC203, BIOL251, CHEM214 and PHYS233
Co-requisites: None
Subject Description: Students will be exposed to the methods and applications of four key components of archaeological science: geoarchaeology, geochronology, geochemistry and bioarchaeology. Students will learn how to use modern scientific methods to assess how archaeological deposits formed and may have changed over time; when archaeological objects were made and other events of interest took place; what the human occupants of these sites ate drank, other aspects of their life histories (e.g. migration patterns); and what kinds of environment these people inhabited, including the diversity of fauna and the climates under which they lived and died.

EESC310 Water Resources and Management

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 18cps of 200-level EESC or GEOS subjects, normally including EESC202
Co-requisites: None
Subject Description: There is little doubt that water is now the world's most seriously threatened essential resource and it is the most important environmental issue in the minds of the Australian public. It is an essential subject area for investigation and understanding by students in Earth and Environmental Sciences, and it has increasing employment potential. It will provide a capstone to introductory hydrology provided in EESC 202, introductory salinity and land-clearance issues discussed in EESC 208, to fluid mechanics and river process in EESC 303, and it will interface with issues of environment, heritage and the restoration of ecosystems in EESC 308.

EESC311 Human Geography Fieldwork Project

Spring Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 cp of 200-level subjects with at least a credit average (greater than or equal to 65)
Co-requisites: None
Subject Description: The subject is based on a period of fieldwork in a community-based social environmental organisation, as organised at domestic or international locations by Project Challenge. Students will undertake background research in planning for their fieldwork experience, work alongside staff members and with local community members during the fieldwork, and reflect back on that experience after their return to Wollongong. Emphasis will be on learning to work as part of a team, developing leadership skills, and learning how the organisation is responding to a particular social/environmental issue. Students should be able to place their work experience in an academic context. They will demonstrate successful use of a reflective diary for their professional development, and present a final seminar.

EESC312 Resource Geology for Engineers

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: EESC252; Restricted to students enrolled in BE (Civil or Mining)
Co-requisites: None
Exclusions: Not to count for credit with EESC306
Subject Description: This subject covers the major concepts in metalliferous deposits and coal resources. Topics include the types and genesis of ore in igneous, metamorphic and sedimentary rocks, the formation and properties of coal, assessment of coal rank and type. The applications of geochemical methods and geophysical methods such as seismic, magnetic, gravity electrical and radiometric to the discovery and evaluation of deposits will be introduced. Professional matters such as the calculation of reserves and the code of ethics (JORC code) will be introduced.

EESC350 Directed Studies in Earth and Environmental Sciences B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Restricted entry. Admission by application to Head of School of Earth and Environmental Sciences.
Co-requisites: None
Exclusions: Not to count for credit with GEOS382
Subject Description: This subject consists of directed reading, field and laboratory work (as required) and writing, leading to the production of a major research essay/project report or reports in a field selected by the student and approved by the Supervisor.

EESC401 Earth and Environmental Sciences Honours Full-time

Spring2008/Autumn2009 Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with EESC402, EESC404, or EESC405
Subject Description: Final-year Honours students are required to write a thesis of approximately 20,000-25,000 words on an approved topic embodying the results of a piece of supervised research and to participate in a seminar program.

EESC402 Earth and Environmental Sciences Joint Honours

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with EESC401, EESC404, or EESC405
Subject Description: Students enrolling in this subject must: (1) have completed a program meeting the requirements for admission to Honours in Earth and Environmental Sciences and a cognate discipline; (2) write

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a thesis on a topic acceptable to and supervised by each academic unit; (3) complete such course work as shall be determined by the Chairperson of each academic unit.

EESC403 Geoinformatics Honours

Annual Wollongong On Campus
Credit Points: 36
Pre-requisites: Completion of 144cp of BComp Geoinformatics degree, with WAM greater than or equal to 67.5.
Co-requisites: None
Subject Description: The subject consists of a research project supervised by an academic in the School of Earth and Environmental Sciences or School of Information Technology and Computer Science, in the area of Geographic Information Systems analysis, spatial information technology or computer programming related to spatial analysis. The research project is presented as a thesis that is both internally and externally assessed. As much as possible projects will be linked to topics of interest to government, independent agencies or industry.

EESC404 Earth and Environmental Sciences Honours Part 1 (Part-Time Students)

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with EESC401 or EESC402
Subject Description: Final-year Honours students are required to write a thesis of approximately 20-25,000 words on an approved topic embodying the results of a piece of supervised research and to participate in a seminar program.

EESC405 Earth and Environmental Sciences Honours Part 2 (Part-Time Students)

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: EESC404
Co-requisites: None
Exclusions: Not to count for credit with EESC401 or EESC402
Subject Description: Final-year Honours students are required to write a thesis of approximately 20-25,000 words on an approved topic embodying the results of a piece of supervised research and to participate in a seminar program.

ENVI391 Environmental Science

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Enrolment in BSc (Environment) and completion of BIOL251, CHEM214 and (GEOS222 or EESC203).
Co-requisites: None
Exclusions: Not to count for credit with ENVI491
Subject Description: This subject builds on the interdisciplinary knowledge gained through the first and second year BSc (Environment) program. The focus is on interactions between biological, chemical, geological and geographical factors and processes in major ecosystems including coral reefs, coasts, estuaries, rivers, lakes, alpine, forests, and grasslands. Existing and potential impacts that influence environmental management will also be investigated such as water and waste management, climate change, population growth, and social and political factors.

ENVI403 Research Report

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: Enrolled in final year of BEnvSc.
Co-requisites: None
Subject Description: A research project for an organisation involved with solving environmental problems will be allocated to candidates in consultation with the Environmental Science Coordinator.

ENVI491 Environmental Science and Systems

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Enrolment in BEnvSc and completion of BIOL251, CHEM214, (GEOS222 or EESC203) and (GEOS214 or EESC202)
Co-requisites: None
Exclusions: Not to count for credit with ENVI391
Subject Description: This subject builds on the interdisciplinary knowledge gained through the first and second year BEnvSc program. Focus is on interactions between biological, chemical, geological and geographical factors and processes in major ecosystems including coral reefs, coasts, estuaries, rivers, lakes, alpine, forests, and grasslands. Existing and potential impacts that influence environmental management will also be investigated such as water and waste management, climate change, population growth, and social and political factors.

MARE200 Introduction to Oceanography

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: BIOL104 and (CHEM102 or CHEM105) and (GEOS102 or GEOS112 or EESC102 or EESC103)
Co-requisites: None
Subject Description: This subject forms a basic introduction to oceanography. Topics covered include physical attributes of oceans; circulation and currents; tides and waves; marine organisms and biodiversity; environmental controls on organisms; processes of transport and behaviour of organisms in their life cycles; food webs and nutrient cycling; chemistry of seawater; sources and sinks of chemicals; carbon and carbonate cycles, chemical reactions in seawater, chemical exchange with sediments, stable isotopes and climate change.

MARE300 Fisheries and Aquaculture

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: STAT252 and (BIOL351 or BIOL355)
Co-requisites: None
Subject Description: This subject will provide an overview of fisheries biology and aquaculture (vertebrate and invertebrate) including: the diversity of Australian and international fisheries and their key challenges;

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relevant ecological issues (population dynamics, transport processes, stock identification); predictive modelling, fisheries management; secondary impacts of fisheries; the diversity of aquaculture; case studies in aquaculture; ecological impacts, potential for enhancement of fisheries.

MARE357 Advances in Molluscan Biology

Not on offer in 2008
Credit Points: 8
Pre-requisites: BIOL241 (or equivalent)
Co-requisites: None
Subject Description: This subject will provide an overview of molluscan biology, diversity and phylogeny. It will also examine the role of molluscs in fisheries, aquaculture, as pests and as carriers of disease. Consideration will be given to these aspects of molluscan biology worldwide, but there will also be a focus on the largely endemic Australian fauna. Each of the major groups of molluscs will be examined, including polyplacophorans (chitons), bivalves (e.g. clams and oysters), gastropods (e.g. slugs and snails) and finally the cephalopods (including octopuses and squid). For each group, their conservation, ecology, biology and evolutionary relationships will be addressed, with important current issues and research directions highlighted. The subject will provide training in field techniques, identification, lab studies including dissection and accessing resources. It will include the observation and collection of molluscs in a variety of habitats, including the rocky shore, estuarine and rainforest environments. This subject is offered in alternate years and will next be offered in Summer Session 2009/2010.

MARE393 Advanced Marine Science Project

Spring Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Distinction average or higher performance in subjects pertinent to the intended area of research as approved by the Marine Science Coordinator
Co-requisites: None
Subject Description: One research project will be undertaken after consultation with academic staff. Students will attend and participate in a seminar/tutorial program in either the School of Biological Sciences or the School of Earth and Environmental Sciences. Research may be a discrete component of a larger project in which the emphasis will be on solving a larger problem as part of a research team. Projects will focus on developing competence in a laboratory and/or field techniques. Intending students should consult the Coordinator before enrolment.

MARE401 Marine Science Honours

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: Completion of 144 cps of BMarSc or equivalent
Co-requisites: None
Subject Description: The subject consists of a research project supervised by an academic in one or more of the School of Biological Sciences or the School of Earth and Environmental Sciences in an area relating to marine biology and/or marine geosciences. The research project is presented as a thesis that is examined by two examiners and is both internally and externally assessed. As much as possible, projects will be linked to the research strengths of the academic units and on topics relevant to developing concepts in marine biology and marine geosciences.

NANO101 Current Perspectives in Nanotechnology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject consists of a series of case studies from the main application areas of nanotechnology (electronics, micro- and nano-electromechanical systems; biomimmetics; nanostructured materials) illustrating the reasons why the nano-dimension offers advantages. Each case study will provide an overview of the importance of design, synthesis and characterisation in the realisation of the end-products. Guest lectures, web resources and tours of nanotechnology laboratories will be a feature as will demonstrations of the synthesis and characterisation of nano-materials (eg. AFM and nano-manipulation).

NANO201 Research Topics in Nanotechnology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: NANO101
Co-requisites: None
Subject Description: The subject consists of a series of case studies illustrating the development of understanding of materials behaviour at the nano-dimension; the methods for preparing nano-scale materials and the design, fabrication and testing of nano-devices. Emphasis in this subject is on the nanoscience and how the basic studies in chemistry, physics and materials provides the basis for understanding the current research in nanotechnology. A feature will be the laboratory demonstration of specific nano-phenomena (eg. tuned optical absorbance of nanoparticles).

NANO301 Research Topics in Nanomaterials

Autumn Wollongong On Campus
Spring Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: NANO201
Co-requisites: None
Subject Description: Students will carry out a research project within a Materials based research group under the supervision of one or more members of staff. A list of possible projects will be provided and students will give a number of preferences. This includes work with the Intelligent Polymers Research Institute (IPRI) or the Institute for Superconducting and Electronic Materials (ISEM). The research is equivalent to about 120 hours lab time plus analysis, and report writing.

NANO401 Honours Project in Nanomaterials/ Nanotechnology

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: NANO301
Co-requisites: None
Subject Description: Students will carry out a

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research project within a Materials based research group under the supervision of one or more members of staff. A list of possible projects will be provided and students will give a number of preferences. Students write a major thesis based on their work that is examined by two independent examiners.

SCIE101 Modern Perspectives in Science

Spring Wollongong Flexible
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Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with SCIE102 or PHYS295
Subject Description: This subject aims to address some of the major topical issues in modern science and their impact on our society as well as demonstrating the value of a cross-disciplinary approach to problem solving. The content is presented in four modules from Physics, Chemistry, Biology and Earth and Environmental Sciences. The topics are: Planetology, Smart Chemistry, Genetic Engineering, and How long? How hot?. Each of the four modules provides examples of areas of science that are currently of widespread interest or importance. The way in which science has been used to solve technological and human problems will be illustrated in each module. The fourth module includes a section on global warming. To demonstrate the need for a collaborative approach when solving major issues, the same problem will be studied from the viewpoint of different disciplines. These modules are examples of current research topics and modules may be interchanged to reflect contemporary topics.

SCIE102 International Perspectives in Science

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: Entry restricted to BSc International (Hons) candidates
Co-requisites: None
Exclusions: Not to count with SCIE101 (Modern Perspectives in Science)
Subject Description: This subject is part of the 'Global Science Studies' component of the International Bachelor of Science degree and addresses some of the major topical issues in modern science in the international arena and their impact on our society. It focuses on the importance of a cross-disciplinary approach to problem-solving. The content is presented in modules which provide examples of areas of science that are currently of international interest and importance.

SCIE122 Biology For Nursing

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with BIOL 103
Subject Description: Provides an introduction to biological structure and function at the biochemical, genetic, cellular, and tissue levels, and how interactions between these levels of organisation vary during health and disease. Examines the interactions between micro-organisms of medical relevance and their hosts.

SCIE202 Bioethical Challenges: A Global Perspective

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: Entry restricted to BSc International (Hons) candidates
Co-requisites: None
Subject Description: This subject is part of the 'Global Science Studies' component of the International Bachelor of Science degree and will be run by the University of Colorado (Boulder).

SCIE292 Science Research Internship

Autumn Wollongong On Campus
Spring Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 credit points of Science Schedule subjects, completed at a Credit level or better, and completion of 48 credit points
Co-requisites: None
Exclusions: Not to count with SCIE392
Subject Description: This internship subject will provide students who have an interest in research with the opportunity to learn how research is done by working alongside researchers in an active research group. Emphasis will be on Occupational Health and Safety management and risk assessment, learning practical skills in the selected discipline, working as part of a team, achieving research objectives in laboratory or field work, accurately recording methods and results, and critically evaluating the research methods of others. For further information please visit: http://www.uow.edu.au/science/researchinternships.

SCIE301 Directed Studies in Science

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Admission is restricted to students participating in approved study abroad programs
Co-requisites: None
Subject Description: The subject deals with topics in Science that are at the cutting edge of research and are interdisciplinary in nature. These topics are tailored each year to the interests and background of participants in the study group. For example, topics may include nanotechnology, intelligent polymer applications, the ethics of genetic modification of plants and animals, the ethics of human cloning, the causes of modern climate change, or wildfire management in Australia.

SCIE392 Science Research Internship B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Summer 2008/2009 Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: 24 credit points of 200-level Science Schedule subjects, completed at a Credit level or better, and completion of 96 credit points
Co-requisites: None
Exclusions: Not to count with SCIE292
Subject Description: The subject content is the same as SCIE292 but with an increased workload commensurate

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with 8 cp. The internship will provide students who have an interest in research with the opportunity to learn how research is done, by allowing them to work alongside practicing researchers. Emphasis will be on Occupational Health and Safety management and risk assessment, learning practical skills in the selected discipline, working as part of a team, achieving research objectives in laboratory or field work, accurately recording methods and results, critically evaluating the research methods of others, and reporting those results in an academic manner. For further information please visit: http://www.uow.edu.au/science/researchinternships.

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