University of Wollongong

POSTGRADUATE HANDBOOK 2010

CALENDAR SERIES
VOLUME 2

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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; credit transfer; 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 2010 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 postgraduate or undergraduate

⇩

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 2009). Please refer to www.uow.edu.au/handbook for the most current information.

Faculty of Arts

Member Units

School of English Literatures and Philosophy
School of History and Politics
School of Social Sciences, Media and Communication
Language Centre
The Centre for Asia Pacific Social Transformation Studies (CAPSTRANS)

Courses Offered

Research Degrees

Doctor of Philosophy

Master of Arts - Research

Coursework Degrees

Master of English Literatures

Master of International Studies

Master of International Studies Advanced

Graduate Diploma in Arts (Japanese)*

Graduate Diploma in Arts (Modern Languages)

*Please note: this degree has an interview selection process conducted in August/September prior to the year of study.

Faculty Research

UOW Strength

Centre for Asia Pacific Social Transformation Studies – (CAPSTRANS) including the following research nodes:

- Asia Pacific Histories
- Asia Pacific Science and Technology Studies
- Australasian Philosophy
- Australian Literary Cultures
- Centre for Comparative Law & Development Studies in the Asia Pacific
- Citizens, State and Power
- Exploring Language in Asia and Pacific Regions
- Globalisation, Mobility and Development
- Innovation in Cultural Research
- International Trade and Economic Integration in the Asia Pacific Region
- Media and Communications
- Centre for Australian New Zealand Studies

Faculty Research Priority Area

Literature, Identity and Culture (LIC)

For more information on Research in Arts, please see:

www.uow.edu.au/arts/research

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances
International - www.uow.edu.au/prospective/international/fees/

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Faculty of Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per year
Delivery Mode:	Supervised individual research
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	003065C

Overview

The PhD is a research degree leading to a significant contribution to a field of knowledge. Students work with supervisors to complete a substantial research thesis (80,000 – 100,000 words). The PhD is the qualification normally required for academic employment at a university or research institute. Candidates without previous research training deemed sufficient may be required to undertake up to 24 credit points of coursework before they start working on the thesis.

Entry Requirements

To enrol in the PhD, students need a BA (Honours) or equivalent qualification, with Honours Class II, division ii or higher, or MA – Research with a strong performance in the research thesis. Candidates with other qualifications may be required to undertake a coursework subject in research training. Students enrolled in the Master of Arts – Research degree may apply for an upgrade to PhD.

All applications must be approved by the Head of Postgraduate Studies (HPS) in the relevant School. Approval depends on the availability of supervision for the proposed thesis topic. Priority is given to topics related to the areas of the Faculty research strength CAPSTRANS (Centre for Asia Pacific Social Transformation Studies) and/or the Faculty priority area LIC (Literature, Identity and Culture)

Course Requirements

Students will complete a substantial thesis (80,000 to 100,000 words) reporting on an independent research topic in their field of study. The precise thesis topic will be determined in consultation with supervisors and the HPS.

Each PhD candidate has two supervisors. Before accepting a PhD candidate, the Faculty will ensure that adequate supervision and facilities for the proposed research are available.

Time Limits

A full time candidate will normally complete the PhD in three years. The minimal time in which to complete the degree is four (4) consecutive sessions (not including Summer Sessions) for full time students, the maximum is eight (8) sessions (not including Summer Sessions). Part time students should complete the course in a minimal time of eight (8) sessions and a maximum of sixteen (16) sessions. Under special circumstances, a candidature may be extended beyond the maximum time following a satisfactory review of progress.

Topics

The following areas of research are some of the topics available to candidates undertaking the Doctor in Philosophy degree:

- Indigenous Studies
- Asia Pacific Studies
- Australian Studies/History
  Communications
- Digital Communication
- English Language and Linguistics
- Employment Relations
- English Literatures
- Ethics
- French
- Gender Studies
- Global Labour Studies
- Global Studies
- History
- International Studies
- Italian

- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Postcolonial Studies
- Science and Technology Studies
- Social Change and Development
- Sociology
- Spanish
- Interdisciplinary topics as negotiated with the Head of Postgraduate Studies are also available for study.

Assessment

On commencement of candidature, candidates and their supervisors complete a Confirmation of Candidature Form that identifies the topic, a plan and timetable for the thesis, resource needs and skills required to complete the project. Students meet regularly with their supervisors to ensure that their progress is in line with the agreed plan. Towards the end of the first year of candidature the student will meet with supervisors and the HPS for a First Year Proposal Review. Students and supervisors must also submit an Annual Progress Report (APR). The APR is the means by which the University assesses the progress of the candidature and decides whether it will continue into the following year. Supervisors who have concerns about a student's progress may also initiate a progress review at other times during the candidature. When the thesis is submitted it is examined by two external supervisors chosen from a list prepared by the supervisors in consultation with the student.

Students are advised to consult the University's Code of Practice – Supervision at the following web address:

www.uow.edu.au/handbook/codesofprac/cop_supervision.html

For further information about the Faculty's areas of research strength, please consult the Faculty's website at www.uow.edu.au/arts/

For more technical information about the degree progress, please consult the website of the University's Office of Research at www.uow.edu.au/research/rsc/

Master of Arts - Research

Testamur Title:	Master of Arts - Research
Abbreviation:	MA-Res
Home Faculty:	Faculty of Arts
Duration:	1.5 years full-time or part-time equivalent 1 year full time (entry from BA Honours)
Total Credit Points:	72 48 (entry from BA Honours)
Delivery Mode:	Supervised research (entry from BA Honours) On campus (Face-to-face) 24 cp coursework (entry from BA Pass)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1301
CRICOS Code:	042530D

Overview

For candidates holding a Bachelor of Arts (Honours) degree or equivalent (a degree which includes a significant research training component), the Master of Arts – Research is a research-only degree. Students work with a supervisor to complete a substantial research thesis (40,000 – 50,000 words). Candidates without previous research training will normally undertake 24 credit points of coursework before they start working on the thesis.

Entry Requirements

Students will normally have an undergraduate degree with a major in the discipline area of the proposed research thesis.

There are two entry points for this degree:

Bachelor of Arts (Pass). Students entering the degree from a Bachelor of Arts (Pass) will complete a 72 credit point degree, consisting of 24 credit points of coursework (ARTS901 Master of Arts Research Methods or other research training coursework deemed equivalent) and, subject to satisfactory completion (see below), a 48 credit point research thesis on a disciplinary or interdisciplinary topic.

Bachelor of Arts (Honours) or Master of Arts by coursework (including a research training component). Students holding the degree of Bachelor of Arts (Honours) with Honours Class II, division ii or higher, or Master of Arts by coursework with an average of at least 70%, may apply for admission into the Master of Arts – Research degree with credit for the 24 credit points of coursework. They will complete the 48 credit point research thesis on a disciplinary or interdisciplinary topic.

All applications must be approved by the Head of Postgraduate Studies (HPS). Approval depends on the availability of supervision for the proposed thesis topic. Priority is given to topics related to the areas of research strengths and priority Areas in the Faculty of Arts:

- CAPSTRANS (Centre for Asia Pacific Social Transformation Studies)
- Citizens, States and Power
- Innovations in Cultural Research
- Literature, Identity and Culture (LIC)

Course Requirements

1. Entry from a Bachelor of Arts (Pass):

Students will complete 24 credit points of coursework (ARTS901 Master of Arts Research Methods or equivalent) and a 48 credit point thesis in their chosen field of study. Students who achieve 70% or higher in the coursework component will proceed to the research thesis. The precise thesis topic will be determined in consultation with supervisors and the HPS. Students who achieve a Pass result lower than 70% will either need to re-enrol in the coursework subjects before proceeding to the research thesis, or they may withdraw from the Master of Arts – Research and enrol in a relevant Master of Arts by coursework degree, where they can apply for credit for 24 credit points of coursework.

The 24 credit point coursework subject ARTS901 Master of Arts Research Methods provides students with training in the theories and methodologies which inform research in the humanities and social sciences. This training includes theoretical perspectives as well as an introduction to research techniques and the preparation of a detailed research proposal leading up to the thesis. Other coursework subjects may be accepted by the HPS as equivalent to ARTS901.

2. Entry from a Bachelor of Arts (Honours) or equivalent:

Students will complete a 48 credit point thesis in their chosen field of study. The precise thesis topic will be determined in consultation with supervisors and the HPS.

Time limits

Full time students will normally complete the 72 credit point degree in three (3) sessions and the 48 credit point degree in two (2) sessions. The minimal time in which to complete the Master of Arts – research degree is two (2) sessions (not including Summer Session) for full time students, the maximum is four (4) sessions (not including Summer Session). Part time students should complete the course in a minimal time of four (4) sessions and a maximum of eight (8) sessions.

Topics

The following areas of research are some of the topics available to candidates undertaking the Master of Arts – Research degree:

- Indigenous Studies
- Asia Pacific Studies
- Australian Studies/History Communications
- Digital Communication
- English Languages and Linguistics
- Employment Relations
- English Literatures
- Ethics
- French
- Gender Studies
- Global Labour Studies
- Global Studies
- History
- International Studies
- Italian
- Japanese
- Media and Cultural Studies
- Philosophy
- Politics
- Postcolonial Studies
- Science and Technology Studies
- Social Change and Development

- Sociology
- Spanish

Interdisciplinary topics as negotiated with the Head of Postgraduate Studies are also available for study.

Assessment

Coursework

The 24 credit point coursework component (ARTS901 or equivalent) will be assessed by written assignments (essays, literature reviews) and seminar papers.

Thesis

On commencement of the research component of the course, candidates and their supervisors complete a Confirmation of Candidature Form that identifies the topic, a plan and timetable for the thesis, resource needs and skills required to complete the project. Students meet regularly with their supervisor(s) to ensure that their progress is in line with the agreed plan. Within the first six months of candidature, the student will meet with supervisor(s) and the HPS for a Proposal Review. If the candidature goes over more than one year, students and supervisors must submit an Annual Progress Report (APR). The APR is the means by which the University assesses the progress of the candidature and decides whether it will continue into the following year. Supervisors who have concerns about a student's progress may also initiate a progress review at other times during the candidature. When the thesis is submitted it is examined by two supervisors chosen from a list prepared by the supervisor(s) in consultation with the student.

Students are advised to consult the University's Code of Practice – Supervision at the following web address:

www.uow.edu.au/handbook/codesofprac/cop_supervision.html

For further information about the Faculty's areas of research strength, please consult the Faculty's website at www.uow.edu.au/arts/

For more technical information about the degree progress, please consult the website of the University's Office of Research at www.uow.edu.au/research/rsc/

Master of English Literatures

Testamur Title:	Master of English Literatures
Abbreviation:	MEnglLit
Home Faculty:	Faculty of Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1555
CRICOS Code:	053880B

Overview

The Master of English Literatures provides an opportunity for students to extend and deepen their knowledge of literature studies and skills in textual analysis. Breadth is provided in geographical coverage, with classes in American, Australian and British writing plus texts from across the English-speaking world. Depth comes through consideration of theoretical issues such as constructions of canons and literary histories, gender and indigeneity, and through study of specific genres subject areas and periods.

Entry Requirements

Entry to the degree is normally from a Bachelor of Arts degree with a major in literary studies, but students with an equivalent qualification will also be considered.

Course Requirements

Students take six subjects from the schedule of subjects below (48 credit points).

Subject Code	Subject Name	Credit Points	Session
ENGL903	Research Methods	8	Autumn/Spring
ENGL906	Modernism's Others	8	N/O 2010
ENGL913	Literature, Memory and Forgetting	8	Autumn/Spring
ENGL916	US Literature: Modernity and Postmodernity	8	Autumn
ENGL918	Special Topic	8	Autumn/Spring
ENGL921	Turning Points: An Introduction to Post-colonial Literary Theory	8	Autumn
ENGL923	Indigenous Literatures in Canada, New Zealand and Australia	8	N/O 2010
ENGL930	History and Romance in Early Modern Britain	8	Spring
ENGL933	Early Women Writers	8	N/O 2010

ENGL945	Contemporary Life Writing	8	N/O 2010
ENGL946	Text and Context in Contemporary African Writing	8	Spring

Master of International Studies

Testamur Title:	Master of International Studies
Abbreviation:	MIntlSt
Home Faculty:	Arts
Duration:	1 year full-time or equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	University of Wollongong
UOW Course Code:	1592
CRICOS Code:	064299B

Overview

The Master of International Studies is an interdisciplinary coursework degree grounded in theoretical and professional perspectives. The course seeks to explain, debate, critically analyse and apply key concepts and ideas in international studies to give its graduates a strong understanding of the dynamics of internationalisation and globalisation.

Entry Requirements

Students will normally have an undergraduate degree with a major in the social sciences or cognate areas of study.

Course Requirements

Students need to pass 32 credit points of core subjects and 16 credit points of electives from the schedule given below.

Subject Code	Subject Name	Credit Points	Session
Core Subjects			
MIST900	International Law and Diplomacy	8	Autumn
MIST905	Transforming Asia	8	Spring
MIST910	International Economic Relations	8	Spring
MIST920	Social Change and Development	8	Autumn
And 16 credit points from:			
MIST901	Politics of International Relations	8	Autumn
MIST903	Politics in the South Pacific	8	N/O 2010
MIST904	Diplomatic History	8	Spring
MIST907	Principles of Social Impact Assessment	8	N/O 2010
MIST908	Globalisation and Citizenship	8	N/O 2010
MIST913	Labour and Migration	8	Spring
MIST914	Comparative Public Policy	8	N/O 2010
MIST999	Advanced Topics in International Studies	8	Autumn/Spring

Master of International Studies Advanced

Testamur Title:	Master of International Studies Advanced
Abbreviation:	MIntlStAdv
Home Faculty:	Arts
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face) and thesis or internship
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1591
CRICOS Code:	064300C

Overview

The Master of International Studies (Advanced) is an interdisciplinary coursework degree grounded in theoretical and professional perspectives. The course seeks to explain, debate, critically analyse and apply key concepts and ideas in international studies to give its graduates a strong understanding of the dynamics of internationalisation and globalisation. It includes either a supervised research thesis or an internship. The thesis will qualify students for further research at postgraduate level. The internship provides graduates with professional experience in the field of international studies. Supervision of the research thesis and placement for the internship will be negotiated with the program coordinator.

Entry Requirements

To enter the Master of International Studies Advanced, students must have completed the coursework program of the Master of International Studies.

To enrol into the Research or Internship subjects, students will require a WAM of 70% plus two Distinctions across six subjects required for the Master of International Studies (Coursework).

Course Requirements

Students need to pass 32 credit points of core subjects and 16 credit points of electives from the schedule given below plus either the research thesis or the internship. Neither the thesis nor the internship can be undertaken before the 48 credit point coursework component of the course has been completed.

Subject Code	Subject Name	Credit Points	Session
Core Subjects			
MIST900	International Law and Diplomacy	8	Autumn
MIST905	Transforming Asia	8	Spring
MIST910	International Economic Relations	8	Spring
MIST920	Social Change and Development	8	Autumn
And 16 credit points from:			
MIST901	Politics of International Relations	8	Autumn
MIST903	Politics in the South Pacific	8	N/O 2010
MIST904	Diplomatic History	8	Spring
MIST907	Principles of Social Impact Assessment	8	N/O 2010
MIST908	Globalisation and Citizenship	8	N/O 2010
MIST913	Labour and Migration	8	Spring
MIST914	Comparative Public Policy	8	N/O 2010
MIST999	Advanced Topics in International Studies	8	Autumn/Spring
And			
MIST991	Thesis in International Studies (15,000 to 25,000 words)	24	Autumn/Spring
Or			
MIST992	Internship in International Studies	24	Autumn/Spring

Graduate Diploma in Arts (Japanese)

Testamur Title:	Graduate Diploma in Arts (Japanese)
Abbreviation:	GDipArts
Home Faculty:	Faculty of Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn or Spring
Location:	Japan
UOW Course Code:	647
CRICOS Code:	026343G

Overview

The Graduate Diploma in Arts (Japanese) is a twelve-month, 48 credit point, Study Abroad Japanese language program.

The purpose of the Graduate Diploma in Arts (Japanese) is to provide candidates with one year as a full-time student at a Japanese university with which the University of Wollongong has an exchange agreement. The Diploma is awarded after successful completion of the exchange university's course, and examination upon return to the University of Wollongong.

Entry Requirements

Minimum requirement for entry: a degree at Bachelor level, preferably in Japanese language. (This degree is not intended for students whose first language is Japanese). Please note, this degree has an interview selection process conducted in August/September prior to the year of study. Please contact the Japanese Convenor before this time.

Course Requirements

Full-time students accepted for entry into the Graduate Diploma in Arts (Japanese) take the following subject:

Subjects	Title	Session	Credit Points
JAPA551	Japanese Studies Abroad	Autumn and Spring	24 per session

Assessment

Assessment is conducted at the exchange university in Japan and will depend on the program of study each student selects. After one year of study at the exchange university, candidates will be required to pass an exit examination at the University of Wollongong. The Graduate Diploma from the University of Wollongong will be awarded upon successful completion of these requirements.

Graduate Diploma in Arts (Modern Languages)

Testamur Title:	Graduate Diploma in Arts (Modern Languages)
Abbreviation:	GDipArts
Home Faculty:	Faculty of Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	647
CRICOS Code:	026343G

Overview

The purpose of the Graduate Diploma in Arts (Modern Languages) is to provide, in a recognised university course, a means for graduates with no previous or limited acquaintance with European or Asian languages, thought and culture to acquire competence in these areas at university level.

The Graduate Diploma in Arts (Modern Languages) is currently offered for:

- French
- Italian
- Japanese
- Spanish

For further information, contact the convenor of the language of interest.

Students who have studied Japanese previously at university level may wish to consider the Graduate Diploma in Arts (Japanese).

Entry Requirements

Minimum requirement for entry: a degree at Bachelor level.

Course Requirements

Students are required to complete 28 credit points from Undergraduate Language subjects (e.g., for a student with no prior knowledge of French: FREN151, FREN152, FREN251 and FREN252). The remaining 20 credit points may be chosen from subjects listed under Modern Languages or other Programs in the Arts Course Structures. These will be approved by the Head of the Modern Languages Program.

Assessment

Assessment is by individual subject and will depend on the student's pattern of study. The Modern Languages program uses continuous assessment in all its subjects to ensure that students' progress is monitored throughout the course.

SUBJECT DESCRIPTIONS

ARTS901 Master of Arts Research Methods

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students enrolled in the Master of Arts-Research degree with training in the research literacy skills required to plan and undertake all facets of an academic research project. This program is delivered through a series of lectures and practical workshops covering the requirements for undertaking a research project at postgraduate level and accounting for that research in thesis form. A major focus of this subject is the development of central understandings of theoretical and methodological approaches to research and the implementation of these in postgraduate research projects. The subject is designed to assist participants develop and write a detailed draft research proposal.

CAPS918 Special Project A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with an opportunity to engage in detailed research on a particular aspect of social change and development approved by the Course Convenor. The project may focus on an issue, a policy, or a theoretical or methodological question which the student has previously encountered through reading or practical experience. Enrolment requires the Co-ordinator's approval, and may be determined by the availability of suitably qualified staff.

ELL 901 Effective Spoken Communication for Postgraduate Studies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELL 902
Subject Description: ELL 901 provides an introduction to spoken communication for postgraduate students of any discipline who have completed their previous studies in a language other than English. Students will discuss, analyse and practise different types of spoken communication relevant to academic and professional success - such as making your point in tutorials and meetings, making the most of group discussions, giving seminar and conference papers, and preparing and giving Powerpoint presentations. Topics will include English grammar for clear spoken communication, the rhetoric of speaking, voice projection, pronunciation, and using intonation to engage your audience. The focus is on spoken communication but because speaking, listening, writing and reading are interdependent, all four skills will be part of the course and its assessment.

ELL 902 Effective Spoken Communication for Postgraduate Studies ARTS

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: ELL 901
Subject Description: ELL 902 provides an introduction to spoken communication for postgraduate students of any discipline who have completed their previous studies in a language other than English. Students will discuss, analyse and practise different types of spoken communication relevant to academic and professional success - such as making your point in tutorials and meetings, making the most of group discussions, giving seminar and conference papers, and preparing and giving Powerpoint presentations. Topics will include English grammar for clear spoken communication, the rhetoric of speaking, voice projection, pronunciation, and using intonation to engage your audience. The focus is on spoken communication but because speaking, listening, writing and reading are interdependent, all four skills will be part of the course and its assessment.

ELL 903 Effective Written Communication for Postgraduate Studies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELL 904
Subject Description: ELL 903 provides an overview of the kind of English used in the academic context, particularly in Postgraduate studies. It is designed for Non-English Speaking Background (NESB) postgraduate students who want an induction into effective written communication for postgraduate studies. In this subject students identify and discuss important issues related to the culture of postgraduate education; develop relevant academic skills for report and thesis writing. Students will develop a critical and analytical stance to research and learning, an understanding of how the grammatical resources of English are employed to achieve different purposes within postgraduate studies; and expertise and confidence in using a range of resources for learning.

ELL 904 Effective Written Communication for Postgraduate Studies ARTS

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: ELL 903
Subject Description: ELL 904 provides an overview of the kind of English used in academic contexts, particularly in postgraduate studies. It is designed for Non-English Speaking Background (NESB) postgraduate students who want an induction into effective written communication for their studies. In this subject students identify and discuss important issues related to the culture of postgraduate education; develop relevant academic skills for report and thesis writing. Students will develop a critical and analytical stance to research and learning, an understanding of how the grammatical

resources of English are employed to achieve different purposes within postgraduate studies; and expertise and confidence in using a range of resources for learning.

ENGL903 Research Methods

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Designed as a series of workshop seminars in parallel with research projects in other subjects. Enrolment, selection of appropriate subject or themes and readings, are subject to the approval of the Convenor of Program.

ENGL906 Modernism's Others

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on writing from England, Europe and the Americas produced in the early 20th century - a period marked by radical questioning of the categories that defined and often determined social and self construction. Writers questioned what is meant to be human, to be civilized; they raised questions about the validity of rudimentary classification of individuals by gender, class, race, sexuality; they were fascinated with the allure of 'the other' - against which the self and its community of belonging is defined. Some writers felt themselves to be othered by western modernity; many writers feeling disaffected or disenchanted with 'the west' searched for ways to 'make it new' by looking to other cultures as represented by 'the east' or 'the primitive'; a number of modernists wrote from the position of 'the other'.

ENGL913 Literature, Memory and Forgetting

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the role of memory in the creation of literature, and the role of literature in the creation of personal and cultural memory. Beginning with a consideration of the notion of writing as a form of memory, it goes on to examine memory and history, identity, and national mythologies, amnesia in fiction, and futuristic memories. It examines a historically and culturally diverse range of texts, but emphasises more recent writings. The subject also covers a range of theoretical and historical perspectives on memory and writing, such as those offered by poststructuralist, feminist, and postcolonial theorists.

ENGL916 US Literature: Modernity and Postmodernity

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject examines a variety of twentieth and twenty-first century U.S. fictional, autobiographical and journalistic prose works in relation to generic, cultural and political developments. A particular focus of the course is critical examination of the concepts of modernity, modernism, postmodernity, and postmodernism. Other topics of discussion include: the construction and articulation of racial, classed, sexual, and gendered identities; contexts of the production and consumption of individual texts; realism and non-realism as modes of writing practice; the relations of literary genres to other media such as film and TV.

ENGL918 Special Topic

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Directed reading, research and other investigative activities at an advanced level in a field of study selected by the student in consultation with the English Studies Postgraduate Co-ordinator and approval prior to enrolling from the Convenor of Program.

ENGL921 Turning Points: An Introduction to Post-colonial Literary History

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The course will survey novels that are the first in their field or which have become key points of reference in discussions of post-colonial writing. The subject asks such questions as: How does newness occur? How are canons changed? How do literary texts and criticism interact with history?

ENGL930 History and Romance in Early Modern Britain

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject focuses on texts which deal with history and romance in late Tudor and Stuart England, looking particularly at the way such texts deliberately lend themselves to varying readings, how they become part of the ideology of a culture, legitimating or questioning the powerful, and how both well-known and less familiar men and women writers (and readers) dealt with issues presented in the trappings of history and romance.

ENGL933 Early Women Writers

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject looks at the work of selected women writers from the late-sixteenth century to the early eighteenth century. The texts represent a variety of different types of writing: fiction, poetry, drama, diaries, letters and autobiographical writings. The subject will examine the establishment of the female writing self within the appropriate cultural structure and historical context, and the engagement of that self with the social and literary conventions of the time. The genres and writers studied are: Fiction- Margaret Cavendish, Aphra Behn. Drama- Elizabeth Cary. Letters- Dorothy Osborne,

Mary Wortley Montagu. Autobiography- Alice Thornton, Anne Clifford, Margaret Hoby, Anna Trapnel, Katharine Evans and Sarah Cheevers, Hannah Allen, Mary Carleton. Poetry- Aemilia Lanyer, Mary Wroth, Isabella Whitney. The subject can be seen as a logical follow-up for interested students from two 300 level subjects in the English Major, ENGL365 Nineteenth Century Women's Writing and ENGL345 Twentieth Century Women Writers.

ENGL945 Contemporary Life Writing

Not on offer in 2010
Credit Points: 8
Pre-requisites: Entry to Masters or Honours in English
Co-requisites: None
Subject Description: The category of life writing covers a number of literary and popular genres from traditional biography and autobiography to memoirs, diaries, auto/biographical fiction, testimonial writing, collaborative and ghost-written life stories, therapeutic writing and gossip about the rich and famous. This subject explores a range of such genres in light of recent theorising relating to the narrative construction of the self, the boundaries between fiction and non-fiction, the relationship between individuals and history and the workings of celebrity culture. We also consider the role of life writing in contemporary literary culture: publishers, the media, authors and readers.

ENGL946 Text and Context in Contemporary African Writing

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject introduces students to a contrasting range of representations of Africa, both by visitors to the continent and by Africans themselves. Specifically, it will juxtapose the tension and contradictions inherent in the 'idea of Africa' as it appears in literary work of writers working at the end of the 19th and in the 20th centuries. Students will read the work of some of the most influential contemporary African writers working in European languages. Although all texts will be read in English, the subject includes Francophone and Lusophone African works.

MIST900 International Law and Diplomacy

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: INTR900
Subject Description: This subject examines the foundations of international law, how it operates and how the representatives of states and international organisations ply their craft. It explores what diplomats do, and what are the limits of diplomatic action. The initial lectures provide students with the theoretical tools to understand how the system of international law has evolved and how international instruments are constructed and ratified. Specific topics that may be addressed in terms of their effect on diplomacy include: the sources of international law; the structure of the international legal system; the relationship between domestic law and international law; the law of treaties; statehood, state jurisdiction and state responsibility; personality, statehood and recognition, human rights and refugee laws.

MIST901 Politics of International Relations

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: INTR910
Subject Description: Major theoretical traditions examined include realism, liberalism, neo-realism and neo-liberalism, rationalism, Marxist and neo-Marxist variants, critical theory, post-modernism, constructivism, and feminism. The subject then examines the end of the cold War, the demise of bipolarity, the emergence of unipolarism, and assesses the effectiveness of the United Nations, explores the north/south divide and ponders some of the causes of terrorism. It examines modern peacekeeping, so-called 'rouge states' and the prosecution of the 'War on Terror'. Interspersed in the subject will be arguments over the alleged decline of the nation state, the structures and institutions that regulate the international economy, and some current opinions on hegemony.

MIST903 Politics in the South Pacific

Not on offer in 2010
Credit Points: 8
Pre-requisites: Entry to MA INTR programme
Co-requisites: None
Exclusions: INTR911
Subject Description: In this subject we will consider the policies adopted by the governments of a number of Pacific Island nations (including Papua New Guinea, Solomon Islands, Samoa, Vanuatu, Tonga and Fiji Islands). The governments of these nations find that they now must manage in a globalising world. Their nations often face challenges of institutional capacity; are in receipt of substantial amounts of foreign aid; and are short of capital and human resources while having access to various natural resources. The sustainable management of the latter presents many challenges.

MIST904 Diplomatic History

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: INTR905
Subject Description: This subject deals with important examples of modern international diplomatic behaviour. It presents an overview of diplomatic practice including various theoretical and historiographical concerns. The subject examines how diplomats write and how they present national positions.

MIST905 Transforming Asia: Trends, Issues and Problems

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: SMAC910
Subject Description: Over the past decade, globalization has been an important driving force for change in Asia. This subject examines and critiques the globalization of

Asia, highlighting the uneven nature of the globalization process by revealing the 'winners' and 'losers' of contemporary social, economic and cultural change. Case studies examine inequalities based on gender, class and sexuality in particular countries (Taiwan, India, Japan, Indonesia, Singapore and Bangladesh), as well as in comparative Asian contexts. Topics to be covered include: regional social movements and political change; sex and gender discrimination; marginal labourers; transnational and migrant identities; media and identity; rapid urbanization, slum development and inequality.

MIST907 Principles of Social Impact Assessment

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: SOC904
Subject Description: This subject introduces students to the basic principles and practices of social impact assessment (SIA). The subject includes: the history and theory of SIA; preparation and planning for SIA; scoping studies: implementing and undertaking SIAs; the role of the SIA professional; and project evaluation.

MIST908 Globalisation and Citizenship

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: CAPS910
Subject Description: This subject examines the effects of globalisation on representations of identity and citizenship in the Asia Pacific. We will discuss contemporary challenges to state authority coming from grassroots movements for democracy and universal human rights; women's groups; gay rights; ethnic minorities and indigenous peoples seeking self-determination; and the mass migration of workers and refugees. We will consider issues such as the conflict in Aceh, the plight of refugees, the role of organised crime, and the sexual reproduction of the nation

MIST910 International Economic Relations

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: INTR920
Subject Description: This subject explores issues and theories central to modern international political economy. It begins in the early modern period with mercantalism, before exploring liberalism, protectionism, Keynsianism, and neoliberal globalisation. It then focuses on current debates over the role of states and international economic regimes in creating development. The World Bank, the International Monetary Fund (IMF), and the World Trade Organisation (WTO) are all examined, along with the effects of the 2007 global financial crisis.

MIST913 Labour and Migration

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: CAPS915
Subject Description: This subject is concerned with the ways in which migration and labour mobility have influenced social transformation in the Asia-Pacific region. It examines these issues at the conceptual level and through case studies in specific countries. Labour migration is analysed both in terms of individual migration experiences and in relation to the broader social, political and economic effects on sending and receiving countries. Themes raised include the formation of multi-ethnic societies, the development of labour movements, citizenship rights for workers and increased women's migration. Cross-disciplinary approaches will be introduced to offer a range of theoretical approaches to these issues.

MIST914 Comparative Public Policy

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: INTR931
Subject Description: This subject examines a broad range of policy areas in the (post) modern world. Students are expected to select issues for study from a range of policies including: media, industrial restructuring, political economy, education, health care, transport, defence, policing, urban and regional renewal, housing and the arts. Students are encouraged to study the impact of Globalisation and global trends on the creation and execution of public policy in advanced industrial countries. The subject offers an approach to policy studies, which focuses on quality of life issues and outcomes. An emphasis on recent developments in Australian public policy is maintained within a comparative perspective.

MIST920 Social Change and Development

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: CAPS911
Subject Description: This subject will examine the development experience of people in the new global order. It will introduce students to the debates on 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. The subject will pay particular attention to the ways in which neo liberal development and globalisation affect people at the local level. Focussing on the Asia-Pacific region we will 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.

MIST991 Thesis in International Studies

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Master of International Studies (Coursework) with a WAM of 70% or better and two distinctions in any of the six subjects undertaken in the Master of International Studies.

Co-requisites: None
Subject Description: This is a research thesis of 15,000-20,000 words conducted under supervision on a topic agreed to by the supervisor(s), student and the relevant School Head of Postgraduate Studies. It allows students to develop their research skills in areas of policy, theory and issues in International Studies based on their studies in the Master of International Studies (Coursework). The thesis will be examined by both an internal and external examiner. It also offers a pathway into further postgraduate research degrees offered by the University.

MIST992 Internship in International Studies

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: Master of International Studies (Coursework) with a WAM of 70% or better
Co-requisites: None
Subject Description: The Internship offers students the chance to extend their coursework studies by combining practical experience with additional coursework. Successful applicants may work with government and/or NGO groups both within Australia and outside Australia. Placements and required coursework are subject to negotiation with the subjects coordinators.

MIST999 Advanced Topics in International Studies

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Average credit grade and above and the approval of MIS co-ordinator.
Co-requisites: None
Exclusions: INTR940
Subject Description: The work done for this subject is expected to include a detailed analysis of a significant issue, period or actor in international relations (global governance and development). The student is expected to draw on relevant primary and secondary sources, bodies of theory and/or comparative materials. Enrolment requires the prior approval of the MIS co-ordinator and may depend on the availability of appropriate sources and suitably qualified staff.

PHIL905 Research Project

Not on offer in 2010
Credit Points: 16
Pre-requisites: None
Co-requisites: None
Subject Description: Identification, development and execution of a directed research project under the supervision of a member of the Philosophy program on topic in Applied Ethics. Students will pursue an extended research project that applies ethical concepts and theory to significant problems in applied ethics. The subject will develop students' capacities for critical analysis, ethical evaluation and conceptual analysis in relation to a specific ethical issue. This will deepen their understanding of concepts and theories taught in the MA (Applied Ethics) subjects, through using them in directed research. This subject may be a valuable addition to a student's professional portfolio.

SMAC910 Transforming Asia: Trends, Issues and Problems

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: MIST905
Subject Description: Over the past decade, globalization has been an important driving force for change in Asia. This subject examines and critiques the globalization of Asia, highlighting the uneven nature of the globalization process by revealing the 'winners' and 'losers' of contemporary social, economic and cultural change. Case studies examine inequalities based on gender, class and sexuality in particular countries (Taiwan, India, Japan, Indonesia, Singapore and Bangladesh), as well as in comparative Asian contexts. Topics to be covered include: regional social movements and political change; sex and gender discrimination; marginal labourers; transnational and migrant identities; media and identity; rapid urbanization, slum development and inequality.

SOC 904 Principles of Social Impact Assessment

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to the basic principles and practices of social impact assessment (SIA). The subject includes: the history and theory of SIA; preparation and planning for SIA; scoping studies: implementing and undertaking SIAs; the role of the SIA professional; and project evaluation.

STS 929 Studies in Resource and Environmental Policy

Not on offer in 2010
Credit Points: 8
Pre-requisites: Approval of Convenor of Program or Subject Coordinaor
Co-requisites: None
Subject Description: This subject examines the social, economic and political processes through which environmental policy is developed. Case studies will be used to understand environmental impacts of technological development. Theoretical perspectives may include the politics and sociology of scientific controversy, global, national and regional developments in environmental regulation, theories of state regulation and intervention, and the choice and negotiation of different environmental strategies.

Faculty of Commerce

Schools

School of Accounting and Finance

School of Economics

School of Management and Marketing

Courses Offered

Doctor of Philosophy

Master of Commerce

Graduate Certificate in Commerce

Graduate Certificate in Research Commercialisation

Double Degrees (2 year programs)

Master of Commerce with Master of Applied Finance

Master of Commerce with Master of Strategic Human Resource Management

Master of Commerce with Master of Strategic Management

Master of Commerce with Master of Strategic Marketing

Master of Commerce with Master of Strategic Management and Marketing

Accountancy

Master of Accountancy - Research

Master of Accountancy

Master of Commerce – Master of Professional Accounting

Master of Professional Accounting

Master of Forensic Accounting

Finance

Master of Finance - Research

Master of Applied Finance (Banking/Investing)

Economics

Master of Economics - Research

Management

Master of Management - Research

Master of Strategic Management and Marketing

Master of Strategic Management

Master of Strategic Human Resource Management

Marketing

Master of Marketing - Research

Master of Strategic Management and Marketing

Master of Strategic Marketing

For tuition fee information please see the following:

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

International - www.uow.edu.au/student/finances/UOW008306.html

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Commerce
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per annum
Delivery Mode:	Supervised individual research
Location:	Wollongong (Other locations TBA)
UOW Course Code	201
CRICOS Code:	001247B

Overview

Candidates with demonstrated research potential, exhibited usually by a Bachelor Honours, Masters by Research degree or other Masters degree that includes a research project, can apply to take a Doctor of Philosophy in the Faculty. Full-time study of three years, or the part-time equivalent, is normally required. Candidates will be expected to work under supervision on research projects related to their thesis area and may be required to complete coursework classes in order to acquire theory and develop methodological skills necessary for their doctoral research. Candidates for this degree enrol in the subject THES924 (full-time) or THES912 (part-time).

The following areas of research are some of the topics available to candidates undertaking the Doctor of Philosophy degree:

School of Accounting and Finance

Accountancy

- Accounting and Information Systems
- Auditing
- Corporate Governance
- Critical Accounting Theory
- External Financial Reporting and Standard Setting
- Government and Not for Profit Accounting
- History of Accounting Thought
- International Accounting and Finance
- Management Accounting
- Small Business Management
- Social and Environmental Accounting

Finance

- Banking
- Behavioural Finance
- Corporate Finance
- Entrepreneurial Finance
- Financial Econometrics
- Financial Economics
- Financial Markets
- Financial Planning
- International Finance
- Market Microstructure
- Personal Finance
- Portfolio Analysis
- Risk Management
- Small Business Finance

School of Economics

Economics

- Applied Econometrics
- Applied Microeconomics
- Business Innovation and Social Innovation
- Economic and Business History
- Economic Growth and Development
- Health Economics
- Industrial and Business Economics

- International Trade and Investment
- Labour and Human Resources
- Macroeconomic Performance and Policies
- Poverty and Inequality
- Regional Development
- Small and Medium Enterprises
- Social Capital and Networks

School of Management and Marketing

Management

- Business Ethics
- Corporate Decision-Making
- Corporate Governance
- Critical Analysis of HRM Practices
- Cross-cultural Management
- Entrepreneurial Identity
- Firm Performance
- Innovation and Knowledge Management in Organizations
- International and Comparative Human Resource Management
- Internationalisation of Firms
- International Organizations
- Inter-organisational Relations
- Logistics
- OH&S Management
- Organisational Change and Leadership
- Project Based Learning
- Role of Human Resource Management in Organizational Change
- Strategic Management in SE Asian Firms
- Supply Chain Management

Marketing

- Advertising
- Consumer Behaviour
- Corporate Marketing and Social Responsibility
- International Marketing
- Internet Marketing
- Marketing Communication
- Marketing Research
- New Product Marketing and Product Innovation
- Relationship Marketing
- Sales Management
- Services Marketing
- Strategic Planning and Marketing

Other Research Areas

- Activity Theory
- Executive Information Systems Management Information Systems & Decision Support Systems
- Knowledge Management
- Management of Information System, Architectures and Infrastructures
- Online Banking
- Organisational and Institutional Web Systems

Other Information

Additional information is available from www.uow.edu.au or email: commerce@uow.edu.au

Master of Commerce

Testamur Title of Degree:	Master of Commerce
Abbreviation:	MCom
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1572
CRICOS Code:	060472D

Overview

This course is ideal for those who want to change their career to the commerce sector. Businesses and industries today are looking for graduates who have a broad commerce perspective; this course provides the fundamental skills which will allow non-Commerce graduates to obtain a stand-alone qualification in preparation for a career in either small- or large-scale business contexts, as well as facilitating entry to a more specialised professional degree offered through the Faculty's Double Masters programs.

Entry Requirements

Applicants must have a Bachelor degree from a recognised tertiary institution or equivalent.

Course Program

The core program comprises four (4) subjects which should be taken in the first semester of study:

Subjects		Session	Credit Points
ACCY901	Accounting Foundations For Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6

Master of Commerce – No Specialisation

Students must complete the four (4) compulsory subjects above plus four (4) 900 level Commerce subjects (24 credit points). Alternatively, students may complete one of the Major Studies listed below.

Major Studies

- Electronic Commerce
- Finance
- Organisational Innovation
- Public Relations
- Regional Development

Students who hold a recognised degree in business or commerce may be permitted to substitute the core subjects in the Master of Commerce with other subjects approved by the course coordinator.

Students intending to enrol in a specialised Commerce Masters coursework program on completion of the Master of Commerce will not be permitted to take any elective subjects in the Master of Commerce which are also contained in the relevant specialised Masters program without the approval of the relevant Course Coordinator.

Students who are unable to complete the Master of Commerce may exit with a Graduate Certificate in Commerce.

Credit Towards Other Courses

Depending on subjects completed in the Master of Commerce students may receive a maximum of 25% credit towards a second specialised Commerce Masters program.

Graduate Certificate in Commerce

Testamur Title of Degree:	Graduate Certificate in Commerce
Abbreviation:	GradCertCom
Home Faculty:	Commerce
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Wollongong
Delivery Mode:	On campus (Face to Face)
Starting Session(s):	Autumn, Spring
UOW Course Code:	1154
CRICOS Code:	055108M

Overview

This program is targeted at students who do not meet the direct entry requirements for Commerce Masters degrees. It will enable them to not only gain the necessary skills and knowledge in a range of essential Commerce subjects, but also allow them to gain the required entry into Commerce Masters programs.

Entry Requirements

Applicants should hold a Bachelor degree or equivalent from a recognised tertiary institution. Those applicants with a combination of academic or professional qualifications and at least three years' relevant full-time equivalent work experience may also be considered. Applicants must also meet the University's English language requirements for this certificate.

Applicants must also meet the University's English Language requirements for this certificate (refer to the University's website at www.uow.edu.au/future/international/apply/english for details).

Course Requirements

Students will undertake 24 credit points consisting of the following subjects:

Subjects		Session	Credit Points
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6

Applicants who have been offered a Master of Professional Accounting subject to successful completion of the Graduate Certificate in Commerce will be required to substitute ACCY901 and ECON910 with subjects determined by the MPA Coordinator.

Credit Towards other Courses

On completion of the Graduate Certificate in Commerce with an overall average of 60%, students may apply to transfer into either the Master of Commerce or the Master of Commerce–Master of Professional Accounting. Successful applicants will be required to complete a further 24 credit points of coursework from the Master of Commerce schedule or 72 credit points of coursework from the Master of Commerce–Master of Professional Accounting schedule.

Students who hold a degree in business or commerce from a recognised tertiary institution and who achieve an overall average of 60% in the Graduate Certificate in Commerce may be eligible to transfer into a specialised Commerce Masters program other than the Master of Commerce. The number of subjects to be completed in that specialised Masters program will be determined by the relevant Course Coordinator.

Students who do not achieve an overall average of 60% in the Graduate Certificate in Commerce may apply for admission to the Master of Commerce.

Graduate Certificate in Research Commercialisation

Testamur Title of Degree:	Graduate Certificate in Research Commercialisation
Abbreviation:	GradCertResCom
Home Faculty:	Commerce
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Wollongong
Delivery Mode:	On campus (Face to Face)
Starting Session(s):	Autumn, Spring
UOW Course Code:	1161
CRICOS Code:	NA

Overview

The Graduate Certificate in Research Commercialisation provides Higher Degree Research (HDR) students with high quality research commercialisation training. Each year a limited number of 6 month scholarships are available to enrolled domestic PhD students.

Contact the Research Student Centre www.uow.edu.au/research
Email research_student_centre@uow.edu.au
Telephone 02 42215452
PLEASE NOTE: This course is only available to students who are in receipt of the Scholarship.

Entry Requirements

Applicants must be currently enrolled in a Research Doctorate.

Course Program

Code	Subject	Session	Credit Points
FIN927	Entrepreneurial Finance	Autumn	6
FIN921	*Managerial Finance	Autumn 2010 only	6
*FIN921 Managerial Finance replaces FIN927 Entrepreneurial Finance for Autumn Session 2010 only			
Plus one of the following			
MARK922	Marketing Management	Autumn/Spring	6
MARK935	Marketing Strategy	Spring	6
MARK956	Creating and Marketing New Products	n/o 2010	6
Plus one of the following			
MGMT908	Human Resources Development	Autumn	6
MGMT911	Organisational Behaviour	Spring	6
MGMT915	Management of Change	Spring	6
MGMT940	Innovation and Entrepreneurship	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn/Spring	6

Master of Commerce - Master of Strategic Human Resource Management

Testamur Title of Degree:	Master of Commerce Master of Strategic Human Resource Management
Abbreviation:	MCom-MStratHRM
Home Faculty:	Commerce
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1599
CRICOS Code:	067072G

Overview

This double degree program allows students to undertake complementary study in related fields and gives them the opportunity to develop generalist business skills in commerce and expertise in human resource management.

The Master of Commerce is ideal for those who want to change their career to the commerce sector. Businesses and industries today are looking for graduates who have a broad commerce perspective and this course provides the fundamental skills which will allow non-Commerce graduates to obtain a qualification in preparation for a career in either small or large scale business contexts.

Human resource managers are now focused on the achievement of effective learning organisations in a world of rapid local and global change. The emphasis on these aspects, with more traditional areas of concern, will equip the successful graduate with advanced human resource management skills for organisations in the 21st Century. The Master of Strategic Human Resource Management presents powerful tools for analysing strategic alignment, managing employment relationships and identifying leadership and team dynamics skills essential to orchestrate organisational change. It provides critical perspectives on the roles and functions of HR executives as change agents.

Professional Recognition

The HRM major is accredited by the Australian Human Resources Institute. Students who have completed the Master of Strategic Human Resource Management are eligible for membership of the Institute.

Entry Requirements / Assumed Knowledge

Applicants must have a Bachelor degree from a recognised tertiary institution or equivalent.

Course Program

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1 – Semester 1			
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6
Year 1 – Semester 2			
Plus four (4) Commerce 900-level subjects (excluding subjects contained in the Master of Strategic Human Resource Management schedule)			
MASTER OF STRATEGIC HUMAN RESOURCE MANAGEMENT			
Year 2			
MGMT910	Strategic Management	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6
Plus 36 credit points selected from the following schedule, subject to availability and demand			
MGMT908	Human Resources Development	Autumn	6
MGMT911	Organisational Behaviour	Spring	6
MGMT915	Management of Change	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT946	Personal Learning: The Reflective Manager	n/o 2010	6
MGMT949	Performance Management	Spring	6
MGMT963	Management of Occupational Health and Safety	Spring	6
MGMT969	Job Analysis, Recruitment and Selection	Spring	6
MGMT975	Negotiation, Advocacy and Bargaining	n/o 2010	6
MGMT987	Management Special Topic	Autumn/Spring	12

Students who hold a recognised degree in business or commerce may be permitted to substitute the core subjects in the Master of Commerce with other subjects approved by the course coordinator.

Other Information

Additional information is available from www.uow.edu.au

Master of Commerce - Master of Strategic Management

Testamur Title of Degree:	Master of Commerce - Master of Strategic Management
Abbreviation:	MCom-MStratMgmt
Home Faculty:	Commerce
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1600
CRICOS Code:	067069C

Overview

This double degree allows students to undertake complementary study in related fields and gives the opportunity to develop generalist business skills in commerce and expertise in management.

The Master of Commerce is ideal for those who want to change their career to the commerce sector. Businesses and industries today are looking for graduates who have a broad commerce perspective and this course provides the fundamental skills which allow non-Commerce graduates to obtain a qualification in preparation for a career in either small or large scale business contexts.

The Master of Strategic Management provides an opportunity for career advancement for managers. This rigorous and intellectually challenging program will assist in the development of key personal and technical skills.

Entry Requirements / Assumed Knowledge

Applicants must have a Bachelor degree from a recognised tertiary institution or equivalent.

Course Program

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1 – Semester 1			
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6
Year 1 – Semester 2			
Plus four (4) Commerce 900-level subjects (excluding subjects contained in the Master of Strategic Management schedule)			
MASTER OF STRATEGIC MANAGEMENT			
Year 2			
MGMT910	Strategic Management	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6
Plus 36 credit points selected from the following schedule, subject to availability and demand			
MGMT915	Management of Change	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT940	Innovation and Entrepreneurship	Spring	6
MGMT941	Small Business Management I	Autumn	6
MGMT949	Performance Management	Spring	6
MGMT978	Cross Cultural Management	Autumn	6
MGMT983	Leading Organisations: Politics, Power and Change Agency	n/o 2010	6
MGMT987	Management Special Topic	Autumn/Spring	12

Students who hold a recognised degree in business or commerce may be permitted to substitute the core subjects in the Master of Commerce with other subjects approved by the course coordinator.

Master of Commerce - Master of Strategic Marketing

Testamur Title of Degree:	Master of Commerce Master of Strategic Marketing
Abbreviation:	MCom-MStratMark
Home Faculty:	Commerce
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1601
CRICOS Code:	067070K

Overview

This double degree program allows students to undertake complementary study in related fields and gives an opportunity to develop generalist business skills in commerce and expertise in marketing.

The Master of Commerce is ideal for those who want to change their career to the commerce sector. Businesses and industries today are looking for graduates who have a broad commerce perspective and this course provides the fundamental skills which will allow non-Commerce graduates to obtain a qualification in preparation for a career in either small or large scale business contexts.

The Master of Strategic Marketing is designed to enhance graduates' career opportunities in the marketing field. Students will have the opportunity to study in-depth a wide range of advanced topics in marketing and gain both generalist and specialist marketing skills that are professionally-oriented.

Entry Requirements / Assumed Knowledge

Applicants must have a Bachelor degree from a recognised tertiary institution or equivalent.

Course Program

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1 – Semester 1			
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6
Year 1 – Semester 2			
Plus four (4) Commerce 900-level subjects (excluding subjects contained in the Master of Strategic Marketing schedule)			
MASTER OF STRATEGIC MARKETING			
Year 2			
MARK935	Marketing Strategy	Spring	6
MGMT910	Strategic Management	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6
Plus 30 credit points selected from the following schedule, subject to availability and demand			
MARK901	Internet Applications for Marketing	Spring	6
MARK917	Business to Business Marketing	Autumn	6
MARK920	Social Marketing	Spring	6
MARK936	Consumer Behaviour	Autumn	6
MARK938	Managing Services and Relationship Marketing	Spring	6
MARK940	Marketing Communications	Autumn	6
MARK956	Creating and Marketing New Products	n/o 2010	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2010	6
MARK977	Research for Marketing Decisions	Spring	6
MARK995	Tourism Marketing	Spring	6
MARK997	Retail Marketing Management	Autumn	6
MARK989	Marketing Special Topic	Autumn/Spring	12

Students who hold a recognised degree in business or commerce may be permitted to substitute the core subjects in the Master of Commerce with other subjects approved by the course coordinator.

Other Information

Additional information is available from www.uow.edu.au

Master of Commerce - Master of Strategic Management and Marketing

Testamur Title of Degree:	Master of Commerce Master of Strategic Management and Marketing
Abbreviation:	MCom-MStratMgmtMark
Home Faculty:	Commerce
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1602
CRICOS Code:	067075E

Overview

This double degree program allows students to undertake complementary study in related fields and gives them the opportunity to develop generalist business skills in commerce and expertise in both management and marketing.

The Master of Commerce is ideal for those who want to change their career to the commerce sector. Businesses and industries today are looking for graduates who have a broad commerce perspective and this course provides the fundamental skills which allow non-Commerce graduates to obtain a qualification in preparation for a career in either small or large scale business contexts.

The Master of Strategic Management and Marketing is a cross-discipline degree designed to give students professional knowledge in both areas.

Entry Requirements / Assumed Knowledge

Applicants must have a Bachelor degree from a recognised tertiary institution or equivalent.

Course Program

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1 – Semester 1			
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6
Year 1 – Semester 2			
Plus four (4) Commerce 900-level subjects (excluding subjects contained in the Master of Strategic Management and Marketing schedule)			
MASTER OF STRATEGIC MANAGEMENT AND MARKETING			
Year 2			
MARK935	Marketing Strategy	Spring	6
MARK936	Consumer Behaviour	Autumn	6
MGMT910	Strategic Management	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT930	Strategic Human Resource Management	Autumn	6
Plus three (3) subjects selected from the following schedule, subject to availability and demand			
MARK901	Internet Applications for Marketing	Spring	6
MARK917	Business to Business Marketing	Autumn	6
MARK920	Social Marketing	Spring	6
MARK938	Managing Services and Relationship Marketing	Spring	6
MARK940	Marketing Communications	Autumn	6
MARK956	Creating and Marketing New Products	n/o 2010	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2010	6
MARK977	Research for Marketing Decisions	Spring	6
MARK995	Tourism Marketing	Spring	6
MGMT908	Human Resources Development	Autumn	6
MGMT911	Organisational Behaviour	Spring	6
MGMT915	Management of Change	Spring	6
MGMT940	Innovation and Entrepreneurship	Spring	6
MGMT941	Small Business Management I	Autumn	6
MGMT946	Personal Learning: The Reflective Manager	n/o 2010	6
MGMT949	Performance Management	Spring	6

MGMT963	Management of Occupational Health and Safety	Spring	6
MGMT969	Job Analysis, Recruitment and Selection	Spring	6
MGMT975	Negotiation, Advocacy and Bargaining	n/o 2010	6
MGMT978	Cross Cultural Management	Autumn	6
MGMT983	Leading Organisations: Politics, Power and Change Agency	n/o 2010	6

Students who hold a recognised degree in business or commerce may be permitted to substitute the core subjects in the Master of Commerce with other subjects approved by the course coordinator.

Master of Accountancy - Research

Testamur Title of Degree:	Master of Accountancy – Research
Abbreviation:	MAccy-Res
Home Faculty:	Commerce
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1330
CRICOS Code:	042547F

Overview

The Master of Accountancy – Research degree comprises 24 credit points of coursework and a 48 credit point thesis. In the coursework component, students develop their capacity to conduct rigorous independent research, as well as undertaking advanced coursework that integrates conceptual and practical issues within the Accounting discipline. In the thesis component, students complete substantial and extended research into an applied or theoretical issue in accounting. The topic is selected in line with the student's research interests and is subject to approval by the Associate Head of School (Accounting). The thesis is completed under the supervision of individual members of staff and culminates in the production of a substantial written thesis.

Entry Requirements / Assumed Knowledge

This degree is primarily a research degree for those who have completed a Bachelors Honours at a standard of Class II, Division 2 or higher in accountancy, economics, finance or management. Applicants who have completed a coursework Masters degree at an appropriate standard may be admitted to the program.

Credit Transfer

Credit of up to 24 credit points may be awarded for the coursework component of this degree to students who have completed research related subjects at an appropriate standard as assessed by the Associate Head of School (Accounting). A candidate may not undertake subjects for this degree that are similar in content to subjects included in their Honours or Masters course.

Course Program

Subjects		Session	Credit Points
ACCY903	Theoretical Foundations of Accounting	Autumn/Spring	6
ACCY907	Empirical Research Methods	Autumn	6
COMM980	Business Research Methods	Autumn/Spring	6

Elective Subject

6 credit points from the 900- level subjects offered by the School of Accounting and Finance, provided the elective is appropriate to the course of research the student intends to pursue.

Subject selection is to be approved by the Associate Head of School (Accounting). Other coursework subjects may be substituted with the permission of the Associate Head of School (Accounting).

Thesis

Subjects		Session	Credit Points
THES924	Thesis full-time	Annual	48
OR			
THES912	Thesis part-time	Annual	24

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: accfin@uow.edu.au

Master of Accountancy

Testamur Title of Degree:	Master of Accountancy
Abbreviation:	MAccy
Home Faculty:	Commerce
Duration:	1 year or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1530
CRICOS Code:	042526M

Overview

The Master of Accountancy builds on the accounting knowledge and skills acquired at the undergraduate level. It develops in-depth understanding and capacities to critique the research and practice of accounting.

Entry Requirements / Assumed Knowledge

Applicants must have an undergraduate degree with a major in Accountancy from a recognised tertiary institution, with an average mark of at least 60%. Applicants with a combination of other university qualifications plus relevant professional experience may also be considered.

Course Program

Students will undertake 48 credit points consisting of any eight subjects from the following list:

Subjects		Session	Credit Points
ACCY903	Theoretical Foundations of Accounting	Autumn/Spring	6
ACCY904	Financial Accounting	Autumn	6
ACCY905	International Accounting	Spring	6
ACCY907	Empirical Research Methods	Autumn	6
ACCY913	Management Accounting	Autumn	6
ACCY914	Management Planning and Control Systems	Autumn	6
ACCY936	Management and Information Systems	Autumn/Spring	6
ACCY968	Insolvencies	Spring	6
ACCY974	Accounting Regulation	Spring	6

With permission of the Associate Head of School (Accounting), it is possible for students to substitute subjects listed above with ACCY985 Special Topic in Accounting A or ACCY986 Special Topic in Accounting B.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: accfin@uow.edu.au

Master of Commerce - Master of Professional Accounting

Testamur Title of Degree:	Master of Commerce Master of Professional Accounting
Abbreviation:	MCom-MProfAccy
Home Faculty:	Commerce
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1604
CRICOS Code:	067241G

Overview

The Master of Commerce complements the Master of Professional Accounting (MPA) by providing the occupational practice outcomes of the MPA, as a response to industry demand for graduates with these skills.

The course not only provides students with fundamental commercial skills but also addresses the cultural and communication issues that may assist international students to implement accounting knowledge. It gives students the skill to access the Australian workforce either for work experience or employment. It explores the diversity of practices and expectations with respect to recruitment and the employment relationship internationally, which requires a focus on cultural issues to ensure the students' success.

Entry Requirements / Assumed Knowledge

Applicants must have a Bachelor degree from a recognised tertiary institution or equivalent.

Course Requirements

The course is designed to be taken over four semesters on a full-time basis or a part-time equivalent basis. The program consists of fifteen subjects totalling 96 credit points.

Course Program

Subjects		Session	Credit Points
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ACCY902	Applied Financial Accounting	Spring	6
ACCY903	Theoretical Foundations of Accounting	Autumn/Spring	6
ACCY918	Applied Management Accounting	Spring	6
ACCY936	Management and Information Systems	Autumn/Spring	6
ACCY962	Professional Practice – Auditing & Risk Assurance	Autumn	6
ACCY963	Professional Practice - Taxation	Autumn	6
COMM900	Intercultural Professional Practice (Commerce)	Not Available in 2010	12
ECON910	Economics for Professionals	Autumn/Spring	6
ECON940	Statistics for Decision Making	Spring	6
FIN 921	Managerial Finance	Autumn/Spring	6
LAW 960	Legal Studies for Professionals	Spring	6
LAW9302	Law of Business Organisations	Autumn	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6

Professional Recognition

The Master of Professional Accounting is accredited by CPA Australia and the Institute of Chartered Accountant Australia (ICAA).

Students please note:

You are advised that if you intend to apply for membership with either institution, you must also meet any additional membership requirements the institutions may have, which includes recognition of your previous qualifications.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: accfin@uow.edu.au

Master of Professional Accounting

Testamur Title of Degree:	Master of Professional Accounting
Abbreviation:	MProfAccy
Home Faculty:	Commerce
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1615
CRICOS Code:	067242F

Overview

The program is designed to build on the learning experience of the students and to extend that experience to an appreciation and understanding of matters relating to the practice of accounting. Students will have an appreciation of the theoretical issues under-pinning the practice of accounting, as well as the legal and practical issues surrounding that practice.

Entry Requirements / Assumed Knowledge

Applicants must have a Bachelor degree from a recognised tertiary institution or equivalent.

Course Requirements

The course is designed to be taken over three or four semesters on a full-time basis or a part-time equivalent basis. The program consists of twelve subjects totalling 72 credit points.

Course Program

Subjects		Session	Credit Points
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ACCY902	Applied Financial Accounting	Spring	6
ACCY903	Theoretical Foundations of Accounting	Autumn/Spring	6
ACCY918	Applied Management Accounting	Spring	6
ACCY936	Management and Information Systems	Autumn/Spring	6
ACCY962	Professional Practice – Auditing & Risk Assurance	Autumn	6
ACCY963	Professional Practice - Taxation	Autumn	6
ECON910	Economics for Professionals	Autumn/Spring	6
ECON940	Statistics for Decision Making	Spring	6
FIN 921	Managerial Finance	Autumn/Spring	6
LAW 960	Legal Studies for Professionals	Spring	6
LAW9302	Law of Business Organisations	Autumn	6

Professional Recognition

Recognised by CPA Australia and the Institute of Chartered Accountant Australia (ICAA).

Students please note:

The MPA is accredited by CPA Australia and the Institute of Chartered Accountants Australia (ICAA). You are advised that if you intend to apply for membership with either institution, you must also meet any additional membership requirements the institutions may have, which includes recognition of your previous qualifications.

Student Income Support

In 2007, the Department of Education, Employment and Workplace Relations (DEEWR) announced that it has made provisions to extend student income support (Austudy and Youth Allowance) to students undertaking professionally oriented masters programmes.

The Master of Professional Accounting has been approved by DEEWR as an eligible Masters programme for Student Income Support.

Students who have queries about their income support eligibility should contact Centrelink on 13 2490 for further information.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: accfin@uow.edu.au

Master of Forensic Accounting

Testamur Title of Degree:	Master of Forensic Accounting
Abbreviation:	MForAccy
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Modular – compulsory 2-3 full days intensive program per subject)
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1541
CRICOS Code:	046874C

Overview

The Master of Forensic Accounting emphasises a forensic rather than a control-based or risk management approach to the analysis of corporate governance and the possibility of fraud.

Students will be given a broad-based introduction to the nature and purpose of forensic accounting. The scope and content of all subjects extend well beyond a 'legal' focus and provide an opportunity to study and acquire skills in investigative techniques and the collection of data as well as the skills necessary to not only identify poor management but also unethical and fraudulent activities.

Entry Requirements / Assumed Knowledge

Applicants must have an undergraduate degree with a major in accountancy from a recognised tertiary institution with an average mark of at least 60%. Applicants with a combination of other university qualifications plus relevant professional experience may also be considered.

Credit Transfer

Credit will be available to ACCY950 for applicants who have completed the CPA Australia or ICAA Program.

Course Program

Subjects		Session	Credit Points
ACCY950	Introductory Forensic Accounting **	Autumn	6
ACCY951	Forensic and Litigation Framework **	Autumn	6
ACCY952	Fraud and Failure **	Autumn	6
ACCY953	Investigative Processes **	Autumn	6
ACCY954	Advanced Investigative Techniques	Spring	6
ACCY957	Independent Accounting Expert Reports	Spring	6
ACCY958	Evidence & the Forensic Accountant	Spring	6
ACCY959	Compliance, Assurance and Governance	Spring	6

** Exit option of Graduate Certificate of Forensic Accounting after the completion of these subjects.

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: accfin@uow.edu.au

Master of Finance - Research

Testamur Title of Degree:	Master of Finance -Research
Abbreviation:	MFin-Res
Home Faculty:	Commerce
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1332
CRICOS Code:	042549D

Overview

This program comprises a coursework and research component. In the coursework component, students develop their capacity to conduct rigorous independent research, as well as undertaking advanced coursework that integrates conceptual and practical issues within the finance discipline. In the research component, students complete substantial and extended research into an applied or theoretical issue in finance. The topic is selected in line with the student's research interests and is subject to approval by the Associate Head of School (Finance). The thesis is completed under the supervision of individual members of staff and culminates in the production of a substantial written thesis.

Entry Requirements / Assumed Knowledge

Bachelor's honours at a standard of Class II, Division 2 or higher in accountancy, economics, finance or management. Candidates who have completed a coursework master's degree at an appropriate standard may also be admitted.

Credit Transfer

Credit of up to 24 credit points may be awarded for the coursework component of this degree to students who have completed research-related subjects at an appropriate standard as assessed by the Associate Head of School (Finance). A candidate may not undertake subjects for this degree that are similar in content to subjects included in their Honours or Masters course.

Course Program

Core Subjects		Session	Credit Points
ACCY903	Theoretical Foundations of Accounting	Autumn/Spring	6
ACCY907	Empirical Research Methods	Autumn	6
COMM980	Business Research Methods	Autumn/Spring	6

Elective Subject

6 credit point from the 900-level subjects offered by the School of Accounting and Finance, provided the elective is appropriate to the course of research the student intends to pursue.

Subject selection is to be approved by the Associate Head of School (Finance). Other coursework subjects may be substituted with the permission of the Associate Head of School (Finance).

Thesis

Subjects		Session	Credit Points
THES924	Thesis full-time	Annual	48
OR			
THES912	Thesis part-time	Annual	24

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: accfin@uow.edu.au

Master of Applied Finance (Banking/Investing)

Testamur Title of Degree:	Master of Applied Finance (Banking/Investing)
Abbreviation:	MAppFin
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1537
CRICOS Code:	029141D

Overview

This program is designed for business graduates who wish to substantially develop their advanced, applied and comprehensive knowledge of either banking or investing at the graduate level. The core part of the program provides students with an advanced understanding of financial decision-making in one of the two areas. The banking specialisation has a focus on bank management and lending and the investing specialisation addresses investment analysis and portfolio management, both addressing the financial decisions made by corporate managers. In the elective part of the program students can enhance their understanding of finance through the study of corporate finance, banking and lending, investment analysis and portfolio management, international finance, risk management, entrepreneurial finance and statistical methods in finance.

Entry Requirements / Assumed Knowledge

Applicants must have an undergraduate degree with a major in finance from a recognised tertiary institution with an average of at least 60%. Applicants with a combination of other university qualifications plus relevant professional experience may also be considered.

Course Requirements

Students are required to undertake the 36 credit points in the Banking or Investing specialist stream and 12 credit points in electives.

Course Program

Master of Applied Finance (Banking)

Code	Subject	Session	Credit Points
FIN 924	Financial Statement Analysis For Business	Autumn	6
FIN 925	Banking Theory and Practice	Autumn	6
FIN 926	Advanced Managerial Finance	Spring	6
FIN 955	International Banking	Spring	6
FIN 956	Bank Lending and Securities	Spring	6
LAW 970	Banking and Financial Institutions Law	Autumn	6
Plus 2 Electives from:			
ECON940	Statistics for Decision Making	Spring	6
FIN 922	Investment Management	Autumn	6
FIN 923	Portfolio Management	Spring	6
FIN 927	Entrepreneurial Finance	Autumn	6
FIN 928	Multinational Financial Management	Spring	6
FIN 957	Portfolio Simulation	Autumn	6
FIN987	Special Topic in Finance	Autumn/Spring	6
STAT920	Stochastic Methods in Finance	Autumn	6

Master of Applied Finance (Investing)

Code	Subject	Session	Credit Points
FIN 922	Investment Management	Autumn	6
FIN 923	Portfolio Management	Spring	6
FIN 924	Financial Statement Analysis For Business	Autumn	6
FIN 926	Advanced Managerial Finance	Spring	6
FIN 928	Multinational Financial Management	Spring	6
FIN 957	Portfolio Simulation	Autumn	6
Plus 2 Electives from:			
ECON940	Statistics for Decision Making	Spring	6

FIN 925	Banking Theory and Practice	Autumn	6
FIN 927	Entrepreneurial Finance	Autumn	6
FIN 955	International Banking	Spring	6
FIN 956	Bank Lending and Securities	Spring	6
FIN987	Special Topic in Finance	Autumn/Spring	6
LAW 970	Banking and Financial Institutions Law	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6

Professional Recognition

Recognised by the Financial Services Institute of Australasia (FINSIA).

Student Income Support

In 2007, the Department of Education, Employment and Workplace Relations (DEEWR) announced that it has made provisions to extend student income support (Austudy and Youth Allowance) to students undertaking professionally oriented masters programmes.

The Master of Applied Finance has been approved by DEEWR as an eligible Masters programme for Student Income Support.

Students who have queries about their income support eligibility should contact Centrelink on 13 2490 for further information.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: accfin@uow.edu.au

Master of Economics - Research

Testamur Title of Degree:	Master of Economics - Research
Abbreviation:	MEcon-Res
Home Faculty:	Commerce
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Flexible)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1331
CRICOS Code:	042548E

Overview

This course aims to provide graduate students, who have completed an Economics major in an undergraduate degree, with the opportunity for advanced study in Economics including a major research thesis.

Entry Requirements / Assumed Knowledge

Entry level will normally be by an Honours Bachelor of Commerce or Arts degree or equivalent at a standard of Class II, Division 2 or higher in Economics. Students who hold a Pass Masters degree in Economics or equivalent will be admitted, although additional coursework may be required at the discretion of the Associate Head of School.

Credit Transfer

Students who hold an Honours Class II, Division 1 or higher in Economics may be awarded up to 24 credit points for the coursework component of the program. See General Course Rules.

Course Requirements

Students normally undertake a 72 credit point program consisting of 24 credit points of coursework plus 48 credit points of research thesis.

Course Program

Subjects		Session	Credit Points
ECON996	Advanced Macroeconomic Theory	Autumn	6
ECON997	Advanced Microeconomic Theory	Autumn	6
COMM980	Business Research Methods	Autumn/Spring	6
THES924	Thesis (full-time) OR	Annual	48
THES912	Thesis (part-time)	Annual	48
Plus one of the following			
ECON921	Econometric Models	Not on offer 2010	6
Or			

Master of Management - Research

Testamur Title of Degree:	Master of Management -Research
Abbreviation:	MMgmt-Res
Home Faculty:	Commerce
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Flexible)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1335
CRICOS Code:	042545G

Overview

The Master of Management - Research provides graduates with the opportunity for further study of advanced topics in management.

Entry Requirements / Assumed Knowledge

Applicants must have completed the requirements for the award of Bachelor of Commerce (Honours) or equivalent at a standard of Class II, Division 2 or higher, or an equivalent degree. Candidates who have completed a Masters degree may be admitted to the program. Candidates may be awarded credit of up to 24 credit points for the coursework component of this degree on the basis of previous research-related subjects. For further information on credit transfer please go to Section 5 of the General Course Rules www.uow.edu.au/about/policy/UOW058680.html

Candidates who hold a Bachelor of Commerce degree at credit level or above may be admitted to the program after an appropriate program of preliminary study prescribed by the Head of School.

Course Program

Subjects		Session	Credit Points
COMM980	Business Research Methods	Autumn	6
Plus three 6-credit point subjects as approved by the Course Coordinator			
Plus			
THES924	Thesis full-time	Autumn/Spring	48
THES912	Thesis part-time	Autumn/Spring	48

Master of Strategic Management and Marketing

Testamur Title of Degree:	Master of Strategic Management and Marketing
Abbreviation:	MStratMgmtMark
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong and other locations (subject to demand)
UOW Course Code:	1558
CRICOS Code:	053935C

Overview

This is a cross-discipline degree designed to give students the professional knowledge in both areas.

Entry Requirements / Assumed Knowledge

Applicants will be eligible for this degree if they have completed a Commerce or Business undergraduate degree, or equivalent, with an average mark of 60% or above, from a recognised tertiary institution. Applicants with an average between 50 and 59% may be considered with two years relevant work experience.

The English language entry criteria will be as indicated on the UOW website.

Course Requirements

Students will undertake eight (8) subjects (48 credit points) and are required to formalise an intended program with the Postgraduate Coordinator.

Course Program

There are six (6) core subjects as follows:

Subjects		Session	Credit Points
MARK922	Marketing Management	Autumn/Spring	6
MARK935	Marketing Strategy	Spring	6
MARK936	Consumer Behaviour	Autumn	6
MGMT910	Strategic Management	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT930	Strategic Human Resource Management	Autumn	6

Two (2) subjects can be selected from:

Subjects		Session	Credit Points
MARK901	Internet Applications for Marketing	Spring	6
MARK917	Business to Business Marketing	Autumn	6
MARK920	Social Marketing	Spring	6
MARK938	Managing Services and Relationship Marketing	Spring	6
MARK940	Marketing Communications	Autumn	6
MARK956	Creating and Marketing New Products	n/o 2010	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2010	6
MARK977	Research for Marketing Decisions	Spring	6
MARK995	Tourism Marketing	Spring	6
MGMT908	Human Resources Development	Autumn	6
MGMT915	Management of Change	Spring	6
MGMT911	Organisational Behaviour	Spring	6
MGMT940	Innovation and Entrepreneurship	Spring	6
MGMT941	Small Business Management 1	Autumn	6
MGMT946	Personal Learning: The Reflective Manager	n/o 2010	6
MGMT949	Performance Management	Spring	6
MGMT963	Management of Occupational Health & Safety	Spring	6
MGMT969	Job Analysis, Recruitment & Selection	Autumn	6
MGMT975	Negotiation, Advocacy and Bargaining	n/o 2010	6
MGMT978	Cross Cultural Management	Autumn	6
MGMT983	Leading Organisations: Politics, Power & Change	n/o 2010	6

Master of Strategic Management

Testamur Title of Degree:	Master of Strategic Management
Abbreviation:	MStratMgmt
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong and other locations (subject to demand and approval)
UOW Course Code:	1557
CRICOS Code:	053936B

Overview

The Master of Strategic Management provides an opportunity for career advancement for managers. This rigorous and intellectually challenging program will assist in the development of key personal and technical skills.

Entry Requirements / Assumed Knowledge

Applicants must have a Bachelor degree in commerce, business or equivalent from a recognised tertiary institution with an average of at least 60%. Applicants with a combination of other university qualifications plus relevant professional experience may also be considered.

The English language entry criteria will be as indicated on the UOW website.

Course Requirements

Students will undertake eight (8) subjects (48 credit points) and are required to formalise an intended program with the Postgraduate Coordinator.

Course Program

There are three (3) core subjects as follows:

Subjects		Session	Credit Points
MARK922	Marketing Management	Autumn/Spring	6
MGMT910	Strategic Management	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6

Five (5) subjects can be selected from:

Subjects		Session	Credit Points
MGMT915	Management of Change	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT940	Innovation and Entrepreneurship	Spring	6
MGMT941	Small Business Management 1	Autumn	6
MGMT949	Performance Management	Spring	6
MGMT978	Cross Cultural Management	Autumn	6
MGMT983	Leading Organisations: Politics, Power & Change	n/o in 2010	6
MGMT987	Management Special Topic	Autumn/Spring	12

Master of Strategic Human Resource Management

Testamur Title of Degree:	Master of Strategic Human Resource Management
Abbreviation:	MStratHRM
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1517
CRICOS Code:	037087E

Overview

Human resource managers are now focused on the achievement of effective learning organisations in a world of rapid local and global change. The emphasis on these aspects, with more traditional areas of concern, will equip the successful graduate with advanced human resource management skills for organisations in the 21st Century.

This program presents powerful tools for analysing strategic alignment, managing employment relationships and identifying leadership and team dynamics skills essential to orchestrate organisational change. It provides critical perspectives on the roles and functions of HR executives as change agents.

Entry Requirements / Assumed Knowledge

Applicants must have a Bachelor degree in commerce, business or equivalent from a recognised tertiary institution with an average mark of at least 60%. Applicants with a combination of other university qualifications plus relevant professional experience may also be considered.

The English language entry criteria will be as indicated on the UOW website.

Professional Recognition

The HRM major is accredited by the Australian Human Resources Institute. Students are eligible for membership of the Institute.

Course Requirements

Students will undertake eight (8) subjects (48 credit points) and are required to formalise an intended program with the Postgraduate Coordinator.

Course Program

There are three (3) core subjects as follows:

Subjects		Session	Credit Points
MARK922	Marketing Management	Autumn/Spring	6
MGMT910	Strategic Management	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6

Five (5) subjects to be selected from:

Subjects		Session	Credit Points
MGMT908	Human Resource Development	Autumn	6

MGMT911	Organisational Behaviour	Spring	6
MGMT915	Management of Change	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT946	Personal Learning: the Reflective Manager	n/o 2010	6
MGMT949	Performance Management	Spring	6
MGMT963	Management of Occupational Health & Safety	Spring	6
MGMT969	Job Analysis, Recruitment and Selection	Autumn	6
MGMT975	Negotiation, Advocacy and Bargaining	n/o 2010	6
MGMT987	Management Special Topic	Autumn/Spring	12

Master of Marketing - Research

Testamur Title of Degree:	Master of Marketing - Research
Abbreviation:	MMark-Res
Home Faculty:	Commerce
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Flexible)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1336
CRICOS Code:	042552J

Overview

The Master of Marketing - Research provides graduates with the opportunity to undertake further in-depth study in marketing, in preparation for a professional career as a marketing expert.

Entry Requirements / Assumed Knowledge

This program is primarily a research program for those who have completed an Honours Bachelor degree in the Faculty of Commerce at a standard of Class II, Division 2 or higher, or an equivalent degree. Candidates who have completed a Masters program may be admitted. Honours and Masters Candidates may be awarded a credit of up to 24 credit points for the coursework component of the program on the basis of previous research-related subjects. For further information on credit transfer please go to Section 5 of the General Course Rules www.uow.edu.au/about/policy/UOW058680.html

Candidates who hold a Bachelor of Commerce degree at credit level or above may be admitted to the program after an appropriate program of preliminary study prescribed by the Head of School.

Course Requirements

The Master of Marketing - Research is a 72 credit point program, comprising 24 credit points of coursework and a 48 credit point thesis. Candidates will be expected to undertake the following subjects.

Course Program

Subjects		Session	Credit Points
COMM980	Business Research Methods	Autumn/Spring	6
PLUS three 900-level - 6 credit point subjects as approved by the Course Coordinator			
PLUS			
THES924	Thesis full-time	Autumn/Spring	48
THES912	Thesis part-time	Autumn/Spring	48

Master of Strategic Management and Marketing

Testamur Title of Degree:	Master of Strategic Management and Marketing
Abbreviation:	MStratMgmtMark
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong and other locations (subject to demand)
UOW Course Code:	1558
CRICOS Code:	053935C

Overview

This is a cross-discipline degree designed to give students the professional knowledge in both areas.

Entry Requirements / Assumed Knowledge

Applicants will be eligible for this degree if they have completed a Commerce or Business undergraduate degree, or equivalent, with an average mark of 60% or above, from a recognised tertiary institution. Applicants with an average between 50 and 59% may be considered with two years relevant work experience.

The English language entry criteria will be as indicated on the UOW website.

Course Requirements

Students will undertake eight (8) subjects (48 credit points) and are required to formalise an intended program with the Postgraduate Coordinator.

Course Program

There are six (6) core subjects as follows:

Subjects		Session	Credit Points
MARK922	Marketing Management	Autumn/Spring	6
MARK935	Marketing Strategy	Spring	6
MARK936	Consumer Behaviour	Autumn	6
MGMT910	Strategic Management	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT930	Strategic Human Resource Management	Autumn	6

Two (2) subjects can be selected from:

Subjects		Session	Credit Points
MARK901	Internet Applications for Marketing	Spring	6
MARK917	Business to Business Marketing	Autumn	6
MARK920	Social Marketing	Spring	6
MARK938	Managing Services and Relationship Marketing	Spring	6
MARK940	Marketing Communications	Autumn	6
MARK956	Creating and Marketing New Products	n/o 2010	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2010	6
MARK977	Research for Marketing Decisions	Spring	6
MARK995	Tourism Marketing	Spring	6
MGMT908	Human Resources Development	Autumn	6
MGMT915	Management of Change	Spring	6
MGMT911	Organisational Behaviour	Spring	6
MGMT940	Innovation and Entrepreneurship	Spring	6
MGMT941	Small Business Management 1	Autumn	6
MGMT946	Personal Learning: The Reflective Manager	n/o 2010	6
MGMT949	Performance Management	Spring	6
MGMT963	Management of Occupational Health & Safety	Spring	6
MGMT969	Job Analysis, Recruitment & Selection	Autumn	6
MGMT975	Negotiation, Advocacy and Bargaining	n/o 2010	6
MGMT978	Cross Cultural Management	Autumn	6
MGMT983	Leading Organisations: Politics, Power & Change	n/o 2010	6

Master of Strategic Marketing

Testamur Title of Degree:	Master of Strategic Marketing
Abbreviation:	MStratMark
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1538
CRICOS Code:	042627F

Overview

The program is designed to enhance graduates' career opportunities in the marketing field. Students will have the opportunity to study in-depth a wide range of advanced topics in marketing and gain both generalist and specialist marketing skills that are professionally-oriented.

Entry Requirements / Assumed Knowledge

Applicants must have a bachelor degree in Commerce, Business or equivalent from a recognised tertiary institution with an average mark of at least 60%. Applicants with a combination of other university qualifications plus relevant professional experience may also be considered.

Course Requirements

Students are required to formalise an intended program with the Postgraduate Coordinator. Programs are tailored for individual students, based on their previous study and areas of interest. Subjects will generally be selected from the following list. Subject availability may vary each session and year, depending on demand.

Course Program

Candidates are to take three (3) compulsory subjects as follows:

Subjects		Session	Credit Points
MARK922	Marketing Management	Autumn/Spring	6
MARK935	Marketing Strategy	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6

Candidates to select five (5) subjects from the following schedule, subject to availability and demand:

Subjects		Session	Credit Points
MARK901	Internet Applications for Marketing	Spring	6
MARK917	Business to Business Marketing	Autumn	6
MARK920	Social Marketing	Spring	6
MARK936	Consumer Behaviour	Autumn	6
MARK938	Managing Services and Relationship Marketing	Spring	6
MARK940	Marketing Communications	Autumn	6
MARK956	Creating and Marketing New Products	n/o 2010	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2010	6
MARK977	Research for Marketing Decisions	Spring	6
MARK995	Tourism Marketing	Spring	6
MARK997	Retail Marketing Management	n/o 2010	6
MARK989	Marketing Special Topic	Autumn/Spring	12

SUBJECT DESCRIPTIONS

ACCY901 Accounting Foundations For Professionals

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ACCY101, ACCY190 or ACCY100 and ACCY102
Subject Description: This subject is an introduction to the principles of both financial and management accounting. Students will gain an understanding of the preparation, interpretation and utilisation of the major types of reports and the analyses prepared by accountants for management decision making.

ACCY902 Applied Financial Accounting

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY901
Co-requisites: None
Exclusions: ACCY908
Subject Description: This subject examines the practical aspects of financial accounting including issues in external reporting, accounting for groups of companies and the taxation of companies. It also includes an analysis of reporting theory as it relates to legal and economic factors and professional ethics.

ACCY903 Theoretical Foundations of Accounting

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY901
Co-requisites: None
Subject Description: This 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.

ACCY904 Financial Accounting

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

ACCY905 International Accounting

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines differences in accounting thought and standards between countries. Topics include influence of national outlook and policies and of economic infrastructure on accounting practice, uniform systems of accounting, corporate growth and its impact on accounting and auditing, comparative study of auditing and reporting standards, and international aspects of public accounting practice. The subject also covers multi-national corporation and the effect of changing price levels on accounting for international operations.

ACCY907 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.

ACCY913 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.

ACCY914 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.

ACCY918 Applied Management Accounting

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY901
Co-requisites: None
Subject Description: ACCY918 examines traditional and innovative techniques used by management accountants to accumulate, analyse and use accounting and other quantitative information to aid management in planning, control and decision-making within business organisations. A primary concern is the ability of, and need for, management accounting to adapt to the rapidly changing global business environment to ensure that management has the decision tools to be effective.

ACCY936 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, particularly computer-based information systems, and the likely impact of developments in this area on management functions and how managers carry out those functions.

ACCY944 Issues in Auditing

Not on offer in 2010
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, continuous auditing concept, uncertainty reporting, audit performance evaluation, extension of the attest function and public sector auditing.

ACCY950 Introductory Forensic Accounting

Autumn Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides a broad based overview of investigative audits within a corporate governance and accountability framework and is designed for progression to more specific topics. Subject content will deal with Australia's corporate regulatory framework including relevant legislation and accounting and audit standards. Students will also be introduced to the accounting and audit compliance framework, the nature and purpose of financial reports and financial statement analysis and interpretation. An integral part of the subject will be the audit risk model including the efficiency and effectiveness of internal controls, corporate governance issues such as corporate culture (setting the tone at the top and internal environment) and the environment in which an entity operates and the relevance of these matters in the planning and execution of an investigative audit.

ACCY951 Forensic and Litigation Framework

Autumn Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will address the role of law in dealing with cases of fraud or misconduct, and the legal framework within which the forensic accounting process, from preliminary stages, to investigation and ultimately to prosecution or litigation. In particular, the subject will address the legal framework (at the state, national and international level) within which allegations of fraud are addressed; the concept of the corporation and the scope for abuse; the duties, roles and responsibilities of the key players in corporations and in the investigation of corporate misconduct; and the legal obligations of professionals such as auditors, and the implications of these for the forensic accountant.

ACCY952 Fraud and Failure

Autumn Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The focus of this subject is on the application of theories of criminology to past corporate and regulatory failures. The purpose is to use the past to identify the drivers of fraud, other forms of management and employee abuse, financial statement manipulation and corruption. The subject also examines other forms of fraud and abuse including ponzi and pyramid schemes, identity theft and credit card fraud, money laundering and tax evasion and the factors that have contributed to the commission of such activities. These drivers are in turn used to help develop strategies for the detection, investigation and prevention of misconduct by individual members of society and at all levels of corporate, government and not-for-profit entities. This material will be used to develop the skills necessary to identify and analyse suspicious or irregular activities, development of a fraud hypothesis and planning of an investigation to prove or refute allegations or suspicions of misconduct. The subject matter will take a global approach and include an analysis of corporate governance and best practice issues.

ACCY953 Investigative Processes

Autumn Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is based on the first two phases of the Initiation, Planning, Execution and Close model (IPEC). It facilitates a consolidation of student knowledge of behaviour, regulatory, audit, governance, banking governance, accountability and assurance by applying these concepts to the IPEC model phases, initiation and planning, for forensic accounting investigations. Students are introduced to a range of investigative processes to guide an investigation prompted by the identification of specific red flags. Students will learn how to develop a fraud hypothesis based on identified red flags and plan an appropriate investigation to test the hypothesis.

ACCY954 Advanced Investigative Techniques

Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject builds on the initiation, planning, execution and close (IPEC) model introduced in ACCY 953 Investigative Processes. It follows on to the IPEC model phases of execution and close. The execution phase deals with the selection and application of investigative techniques appropriate to the facts of a particular case. The close phase revolves around appropriate reporting and consideration of preventative and improvement strategies. Case studies and practical examples will be used to demonstrate the application of the IPEC model to a structured forensic accounting investigation that will serve as the basis for an independent expert report.

ACCY957 Independent Accounting Expert Reports

Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject draws on professional guidelines, judicial reviews and documented experiences and outcomes of the preparation and defence of independent expert reports in a wide range of litigation and dispute resolution matters. The subject material will deal specifically with acceptance of engagement as an independent expert especially issues of appropriateness of expertise, training and independence, professional guidelines dealing with conducting an investigation, documentation of the investigation and the product of the investigation in the form of the independent expert report. Attention will also be given to the experiences of practitioners in the defence of expert reports in a court of law or similar forum. Common mistakes and pitfalls of acceptance of an independent expert engagement, investigation and preparation of an expert report and appearance as an expert witness will also be addressed. Materials will specifically draw on judicial and similar reviews of the appropriate role, duties and obligations of the independent expert.

ACCY958 Evidence and the Forensic Accountant

Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will focus on the law of evidence as it applies to the forensic accountant and investigator, from the inception of an investigation through to presentation of evidence in court, including expert evidence. Students will explore the implications of law for the identification of sources of evidence, collection of evidence and presentation of evidence in a manner most suitable for the purposes of their investigation and/or role in the litigation of a relevant matter. Adducing evidence, admissibility of evidence and specific issues of expert evidence will be considered. Communication issues will be an underlying theme throughout, specifically accountant - lawyer communication.

ACCY959 Compliance, Assurance and Governance

Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject draws together the varied aspects of forensic accounting within a compliance, assurance and governance framework. Students will learn to apply this framework to develop, assess and quality assure governance and social responsibility mechanisms, internal controls, internal communication and reporting processes and other safeguards used by entities to ensure compliance with applicable legislation, regulations, policies and best practice principles. Specific compliance issues addressed will include risk assessment, international anti-money laundering and tax evasion principles and practices, and fraud prevention and deterrence systems.

ACCY961 Professional Practice - Accounting

Not on offer in 2010
Credit Points: 6
Pre-requisites: ACCY901
Co-requisites: None
Subject Description: This subject is concerned with statements of Accounting Standards, statements of Accounting Practice and the impact of corporation law on the practice of accountancy.

ACCY962 Professional Practice - Auditing & Risk Assurance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY901
Co-requisites: None
Subject Description: This subject provides an examination of auditing and its integral role in the contemporary practice of accounting together with the legal environment which impacts upon it.

ACCY963 Professional Practice - Taxation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY901
Co-requisites: None
Subject Description: This subject provides a detailed examination of the relevant legislation relating to taxation in Australia, including Income Tax, Fringe Benefits Tax, and the Goods and Services Tax. The practical applications of this legislation are discussed and demonstrated, with examples and set problems.

ACCY968 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 liquidations & receivership, and the use of insolvency procedures as a management strategy.

ACCY974 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, external financial reporting and the accounting profession. This may include an examination of theories of regulation and the public interest, participants in the regulatory process, the consequences of regulation, the internationalisation of accounting regulation, and an historical overview of accounting regulation.

ACCY985 Special Topic in Accounting-A

Autumn Wollongong On Campus
Spring Wollongong On Campus
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.

ACCY986 Special Topic in Accounting-B

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

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.

ACCY993 Research Essay 1

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is an individual program determined in consultation with the Associate Head of School.

ACCY994 Research Essay 2

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is an individual program determined in consultation with the Associate Head of School.

ACCY995 Research Project

Not on offer in 2010
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is an individual program determined in consultation with the Associate Head of School.

COMM900 Intercultural Professional Practice (Commerce)

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: The objective of Intercultural Professional Practice is to equip graduates with the skills and knowledge to understand and implement the expectations of the Australian workplace both in the workplace, recruitment process and regulatory requirements. To achieve this the focus will be on developing: (1).inter cultural communication skills with emphasis on team work, (2).enhancing knowledge of Australian culture as it operates within the workplace, (3).developing communication skills required for the job search process and the workplace, 4.developing skills and knowledge of the job search process in the Australian context.

COMM980 Business Research Methods

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide research students in the Faculty of Commerce with a background to the methodology and practice of social science research. A major goal of the subject is to provide a 'kick-start' for students who are beginning, or are planning to carry out their first major research study on a Commerce-related topic (this would cover, for example, the fields of management, marketing, employment relations, business systems, organisational studies and accounting). The subject will provide an introduction to philosophical underpinning of social science research, the practical issues associated with the fconduct of research (including project management and research ethics), as well as an overview of the main qualitative and quantitative methods used to collect and analyse social research data.

ECON901 Monetary Economics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON301
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 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.

ECON902 Advanced International Monetary Economics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON307
Subject Description: This subject is a study of monetary aspects of international economics. It comprises two parts. In Part A we examine theoretical approaches to the balance of payments and exchange-rate determination. In Part B we analyse selected issues in international monetary economics.

ECON903 Public Finance

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject further develops topics encountered in the undergraduate public finance course. Particular emphasis will be placed on issues surrounding inter-governmental fiscal relations in a federal system. Questions of fiscal transfer mechanism, divisions of powers and responsibilities and the equalisation measures which might be used will be considered.

ECON904 Trade, Growth and Development

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The following topics will be covered: The WTO as an international organisation; capital-skill complementarity between new investment and technical progress; concerns about the role of international trade on growth and development; the role of multinational corporations in trade and technology transfers; human development, economic democracy and shared growth; international economic institutions (IBRD,IMF,WTO) and the national economies. Examples will be cited from developing and developed countries.

ECON906 History of Economic Thought

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON316
Subject Description: This subject is designed to introduce students to the main developments in economic theory from the 17th to 20th centuries. Internal changes in theories, relationships between successive theories and external influences on this development will be examined. Students will be expected to read widely in both primary and secondary sources.

ECON907 Cost-Benefit Analysis

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON310
Subject Description: This subject involves the study of the theoretical foundations and practical techniques of social cost benefit analysis (CBA). Theoretical considerations include the study of Pareto optimality and the Pareto criterion, the concept of a social welfare function, the Kaldor-Hick compensation principle, theories of market failure, shadow pricing, consumer and producer surplus, and social time preference. Methods of valuing benefits and costs will be studied including the use of market values and techniques that might be used when market prices are not appropriate or not available (such as contingent valuation and hedonic pricing). Alternative CBA decision criteria will be evaluated and compared. Methods of sensitivity analysis will be studied and evaluated. Cost benefit case studies will be reviewed. Spreadsheet skills will be developed and applied to complex situations where cost benefit methods are appropriate. The practical limitations of cost benefit analysis will be studied.

ECON908 Advanced Topics in the Economics of Development

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON303
Subject Description: The subject provides an in-depth analysis of economic development in both theory and experience. Topics include economic growth versus economic development; poverty and inequality; population growth; unemployment and rural-urban migration; technological change; peasant agriculture and agricultural productivity; human capital and development; the role of capital; credit and institutions; as well as the international dimensions of development and development policy.

ECON909 Econometric Theory

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject deals with advanced topics in the theory and practice of econometrics and covers contemporary issues of model specification, estimation, testing, and forecasting. The subject will be based on journal articles in which the current econometric issues are discussed.

ECON910 Economics for Professionals

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides the student with knowledge of the essential principles of economics and the aspects of the economic system which are particularly relevant to professional accountants. The subject will examine key topics in microeconomics and international economics that are used in business and managerial decision-making, focusing on how they influence accounting outcomes and project evaluations. These topics will include price theory, cost analysis, profit determination and exchange rate determination. The subject will also introduce students to the economic perspective underlying business issues such as wage rate determination, environmental policy, income distribution and international trade.

ECON911 Advanced International Economics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON216
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 issues will be considered including why nations trade with each other; the gains and losses from free trade to the nations involved; the determination of the pattern of international trade and production; the effects of various commercial policies on the nations involved and on the welfare of various groups within those nations; how the foreign exchange market works and in what ways it facilitates or impedes international trade; the possible effects of exchange-rate policies on a country's production, employment and price level; how a country's trade performance is linked to its external debt and economic growth; and how can trade affect the local and global environment?

ECON912 Labour Economics

Not on offer in 2010

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON308
Subject Description: This subject studies labour supply, labour demand and wage rate determination in a market-orientated economy. The subject emphases the development and application of economic theory rather than an institutional approach to analyse labour markets. Several areas of application are drawn from the following 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; and the causes of unemployment. Examples relate mostly to the Australian and US labour markets although some comparisons are drawn with labour markets in other countries.

ECON913 Industrial Organisation

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON312
Subject Description: This subject provides the theoretical basis for the analysis of firm structure, conduct and performance. It focuses on issues related to the implementation of competitive policy from both national and international perspectives.

ECON915 Electronic Commerce and the Economics of Information

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON319
Subject Description: This subject analyses the impact 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 develops the theory of the economics of information, technology and transaction costs and investigates the role and value of information in decision making.

ECON916 Economics of Education, Health and Welfare

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON315
Subject Description: Several areas of microeconomic theory will be selected for advanced treatment. Within each topic contemporary applications will be explored after the development of a theoretical base.

ECON918 Economics of Health and Health Care

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON318 or ECON317
Subject Description: The 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, social statistics and medical decision making. Government policies influencing all aspects of health care will be analysed and evaluated.

ECON921 Econometric Models

Not on offer in 2010
Credit Points: 6
Pre-requisites: ECON221 or equivalent subjects approved by Head of Discipline
Co-requisites: None
Exclusions: Not to count with ECON327
Subject Description: This subject develops the foundations of econometric models. Both time series analysis and simultaneous equation models will be studied. The subject will emphasise suitable model building with economic content, obtaining estimates with desirable properties, testing procedures, model evaluation and selection, and the application of econometric models. Examples from current Australian econometric models will be critically examined.

ECON924 International Economic Relations

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with INTR920 and ECON982
Subject Description: The subject will examine policy issues in the international economy, especially as they affect the Asia-Pacific region. The role of international economic organisations such as the IMF, World Bank, and GATT will be emphasised as well as issues such as free trade, protectionism, exchange rate determination and international capital flows. Options available to individual countries for international economic policy will be explored.

ECON927 Innovation and Technology in the New Economy

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON227 or ECON229
Subject Description: This subject provides economic conceptual frameworks in which to think systematically about the economy, technology, innovation and related policy issues. The course does not include theory for the theory's sake, but presents and uses theoretical tools as a means to the end of gaining better understanding of the role of innovation-related policy issues in the context of a creative economy. Although the concepts and tools developed are relevant to all countries, special attention will be given to Australian and other OECD economies.

ECON933 Conflict and Cooperation

Not on offer in 2010
Credit Points: 6
Pre-requisites: ECON111 and ECON122
Co-requisites: None
Exclusions: Not to count with ECON333
Subject Description: This subject provides study of advanced topics in game theory. The subject builds on traditional analytical techniques in economics based on assumptions of certainty and competitive markets. Using game theory, the analysis is extended to settings that traditional economic analysis is unable to cope with. These typically involve incorporating risk and uncertainty, asymmetric and incomplete information and strategic situations where the assumptions of competitive markets do not apply. The emphasis is on theoretical developments and the application of the central tools of game theory to real world problems of business and economics involving strategic interactions between parties.

ECON935 Advanced Managerial Economics and Operations Research

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON332
Subject Description: This subject provides study of advanced quantitative techniques applicable to economic and managerial decision-making. This subject covers a wide range of quantitative analyses such as forecasting techniques, Bayesian analysis, Markov process models, PERT, CPM and specialised network algorithms, risk preference analysis, transportation and assignment models and quadratic and nonlinear programming.

ECON936 Graduate Macroeconomics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON205
Subject Description: This subject analyses the major factors which determine macroeconomic behaviour and associated policy prescriptions. The effects of consumption and investment, international factors, monetary and fiscal policies on aggregate demand are examined. The determination of wages and prices, inflation and unemployment are also considered in terms of aggregate supply.

ECON937 Graduate Microeconomics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides study of the demand for, and the supply of, goods and services, and price determination in a market-orientated economy. This subject develops, from its axiomatic foundations, the economic theory of consumer choice and market demand, and the economic theory of the firm and market supply. The subject provides students with a strong foundation in microeconomic theory in order to facilitate further post-graduate study in both theoretical and applied fields of economics.

ECON938 Environmental Economics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON309
Subject Description: This subject will provide a comprehensive analysis of environmental issues utilising the theory of economic externalities and the theory of ecologically sustainable development. Methods used to correct environmental problems and to measure externalities will be analysed. The subject will also evaluate environmental policies in Australia, developing countries and in the international economy.

ECON939 Quantitative Economic Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON221
Subject Description: This subject develops the fundamental concepts of econometrics used in applied economic work in the academic, business and government sectors. The subject covers the standard and non-standard econometric models based on time series, cross-section and qualitative data. Emphasis will be on applications of the econometric methodologies to empirical research.

ECON940 Statistics for Decision Making

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject develops principles of descriptive and inferential statistics, and their applications in the business environment. A foundation of descriptive statistics and probability is first developed, followed by discussion of the concepts and principles of statistical inference. Several topics in statistical inference are then examined including confidence intervals, hypothesis testing, statistical quality control, regression analysis and forecasting. Case studies are used to demonstrate the application of statistical methodology to aid business decision making.

ECON941 Advanced Topics in Economics - A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics for this subject may be drawn from any area of economics which the Head of the Discipline considers to be suitable preparation for a higher degree and appropriate to the student's special interests.

ECON942 Advanced Topics in Economics-B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics for this subject may be

drawn from any area of economics which the Head of the Discipline considers to be suitable preparation for a higher degree and appropriate to the student's special interests.

ECON943 Advanced Topics in Economics - C

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics for this subject may be drawn from any area of economics which the Head of the Discipline considers to be suitable preparation for a higher degree and appropriate to the student's special interests.

ECON944 Smalls Firms and the Economy

Not on offer in 2010
Credit Points: 6
Pre-requisites: ECON910
Co-requisites: None
Subject Description: This subject will provide students with a solid foundation for understanding the role and contribution of small firms to the contemporary Australian economy, at both the national and regional levels. Key topics to be discussed will include: why small firms exist; the role and importance of entrepreneurship; the contribution of e-commerce, the role of networking and innovation in small firm competitiveness; small firms and their contribution to regional development; small firms and the global economy; public policy and small firm development; and small firm development strategies in other countries.

ECON945 Regional Development

Not on offer in 2010
Credit Points: 6
Pre-requisites: ECON910
Co-requisites: None
Subject Description: This subject will provide students with a solid understanding of the essential factors affecting the development of rural and regional economies in modern economies and introduce them to the tools available to analyse these developments. This will involve an analysis of the industrial structure of regional economies, the importance of various types of agglomeration economies, and the role of information transmission. The basic methodologies used to analyse the regional economic base and specialisation industries will be taught and students will be introduced to the more complex techniques also available. The interaction of regional economies with international markets will be emphasised, including mechanisms available to regional firms to improve their export performance. Government support programs available to regional firms will be discussed.

ECON982 International Economic Relations

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON924 or INTR920
Subject Description: The subject will examine policy issues in the international economy, especially as they affect the Asia-Pacific region. The role of international economic organisations such as the IMF, World Bank, and GATT will be emphasised as well as issues such as free trade, protectionism, exchange rate determination and international capital flows. Options available to individual countries for international economic policy will be explored.

ECON983 Trade and Industry in East Asia

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON251
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.

ECON984 Financial Economics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON331
Subject Description: This subject provides advanced study of the theory of efficient acquisition, financing and composition of assets and production activities with applications in the fields of economics of the firm, agricultural economics and international economics. Optimal control methods and phase-plane diagrams are used for analysing efficient trajectories of capital investment and borrowing. Investors' portfolio choices and producers' activity sets will be analysed within a mean-variance expected utility maximisation framework.

ECON991 Project

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None

ECON992 Research Report

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 24
Pre-requisites: None
Co-requisites: None

ECON993 Thesis

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 48
Pre-requisites: None
Co-requisites: None

ECON996 Advanced Macroeconomic Theory

Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject attempts a critical review of advanced contemporary macroeconomic theories and their policy prescriptions. In doing so the

subject stresses the need to consider four important concepts, namely the international orientation of macroeconomics, the role of expectations and their formation, the importance of dynamics and speeds of adjustments and finally, the difficulty of formulating and implementing consistent, optimal macroeconomic policy in a changing world.

ECON997 Advanced Microeconomic Theory

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject provides a bridge between microeconomics at the undergraduate level and microeconomics in a good-quality PhD program. The subject extends and deepens the student's understanding of the theory of consumer behaviour and the theory of the firm and covers some new topics such as economic behaviour under conditions of uncertainty and the economics of information.

FIN 920 Advanced Risk and Insurance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject deals with the concepts and technical description of risk, risk attitudes and preferences, and insurance. Conceptual models and tools discussed include those used to protect against portfolio risk in investments, other financial risks, such as exchange rate risk, and more general corporate risks, like regulatory risk. Specific risk management tools are learned by way of hypothetical application. These include share portfolio insurance using derivatives and hedging against currency exchange rate and interest rate movements in spot and derivative markets.

FIN 921 Managerial Finance

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY921 and TBS 907
Subject Description: This subject presents the tools necessary for any finance professional, with an emphasis upon the management decision matrix and recognition of the professionalism necessary in modern industry contexts. Specific topics include financial ratio analysis, capital budgeting, long-term financial planning, current asset management, risk and return, investment decisions, financial policy and capital structure decisions, investment valuation, basic derivatives, and mergers and acquisitions.

FIN 922 Investment Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY922
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 923 Portfolio Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY923
Subject Description: This subject examines advanced topics in the modern theory of optimal investment decision-making, portfolio theory, capital and derivative markets. The subject explores several major areas of interest including market efficiency models in valuing portfolios and securities, bond analysis, portfolio management and performance evaluation. The subject provides a theoretical framework within which all derivative securities can be valued and hedged and also examines the way in which they are traded.

FIN 924 Financial Statement Analysis For Business

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY924
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 925 Banking Theory and Practice

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY925
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.

FIN 926 Advanced Managerial Finance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY926
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 927 Entrepreneurial Finance

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY927
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 928 Multinational Financial Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY928
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 955 International Banking

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY955
Subject Description: The global impact of banking is the focus of this subject. The subject incorporates comprehensive discussion of issues that commonly arise in the international banking environment. These include the development of the international monetary system, the deregulation of banking, methods of payment in international trade, foreign exchange markets, international lending and developments of new technology.

FIN 956 Bank Lending and Securities

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY956
Subject Description: This subject examines the bank's lending process and the securities associated with it. The subject includes comprehensive discussion on issues concerning lending within the banking environment, including regulation of security offerings, principles of good lending, documents involved in lending, lending and the consumer credit code, new developments in lending and securities and their impact on the banking sector.

FIN 957 Portfolio Simulation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with realistic stock market simulations and they are able to trade shares, options, bonds, managed funds, and international stocks. The core of the subject is in the construction and administration of a simulated investment portfolio using online method. Students are introduced to financial markets, order placement techniques, trading strategies and portfolio theory. Students experience the pressure of live markets and learn how to manage a portfolio. The subject bridges classroom theory with real-world practical experience.

FIN 987 Special Topic in Finance

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ACCY987
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.

FIN 993 Research Essay 1

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject, students are required to undertake research into a topic of their choice, subject to approval by the Associate Head of School. The topic is completed under the supervision of an individual member of staff and culminates in the production of a research essay.

FIN 994 Research Essay 2

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with an opportunity to extend and synthesise knowledge from their study of finance into a major research study, subject to approval by the Associate Head of School. The subject is particularly designed to enable students to develop their research potential.

FIN 995 Research Project

Not on offer in 2010
Credit Points: 24

Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with an opportunity to extend and synthesise knowledge from their study of finance into a significant research study, subject to approval by the Associate Head of School. The subject is particularly designed to enable students to significantly develop their research potential.

MARK901 Internet Applications for Marketing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The issues facing buyers and sellers online will be applied to marketing subject areas like relationships, community and customer information systems as well as the basic 4P's of marketing. The focus will be at a people and process level to get an understanding of what happens in organisations. Internet applications are reviewed from the perspective of value that electronic networks and data processing can bring to areas of marketing practice. The underlying theme across all areas is how value is added to create overall customer satisfaction in the different areas of marketing practice.

MARK917 Business to Business Marketing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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 far 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.

MARK920 Social Marketing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Unlike commercial marketing which seeks to simply change purchasing patterns, 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.

MARK922 Marketing Management

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: WBS904
Subject Description: This is the introductory postgraduate Marketing subject. It examines the contemporary view of marketing and focuses on the following areas: identification of market opportunities, segmentation and target marketing, marketing mix decisions, service marketing and international marketing.

MARK935 Marketing Strategy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: With the use of case studies, this subject will examine the development and implementation of marketing plans and strategies at the organisational level. Key issues may include: marketing's strategic role in the organisation, marketing strategy and competitive advantage, including marketing mix strategies, marketing strategy formulation, implementation and control.

MARK936 Consumer Behaviour

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject will explore the motives of consumers during the purchase of products and services. It will investigate sociological and psychological concepts as they specifically apply to the behaviour of consumers in order to learn how to make more effective marketing decisions. In addition to a required text that will be used to understand the theory, readings and case studies will be assigned for practical application of the concepts.

MARK938 Managing Services and Relationship Marketing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of the subject is to introduce the graduate student to a theoretical and practical perspective of the service industry, its marketing implications, and managing buyer-seller relationships. The subject is intended for students who are interested in how to cope with service competition in a customer-oriented manner. The subject will not only deal with issues relating to managing customers in service firms, but is equally intended for manufacturers of physical goods operating in business-to-business or consumer markets because the importance of service to success is constantly growing for such firms. Because services and relationships are interrelated, the subject will deal with customer relationship management and relationship marketing as well as services management.

MARK940 Marketing Communications

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide both a theoretical and a practical perspective on Marketing Communications and Promotion Strategy. Students will learn to use communication tools such as advertising, sales promotion, point-of-purchase materials, sponsorship programs and publicity, to optimise intervention on organisational issues

MARK954 Special Topic in Marketing A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A special topic selected from any area of marketing. The selection would be made by the Head of the Discipline, taking into account the expertise of academic staff, including visiting staff, and the interest of students.

MARK956 Creating and Marketing New Products

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject approaches the management of new products from the perspective of the Marketing function. Taking a holistic view of new product development and introduction, it covers the organisation and management of processes across the product life cycle with an emphasis on the role that Marketing plays in these. The key elements here are: identifying opportunities and generating new product concepts, obtaining customer inputs throughout the product cycle, developing an effective product innovation strategy, the test marketing of new products, developing marketing strategies (including pricing) for new products, and managing new product launches.

MARK957 International Marketing Strategy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will present various concepts and tools for analysing international marketing strategies, and evaluating the marketplace (competitors, external environment: cultural, economic, technological, political/legal, marketing opportunities, etc.) Specifically, the focus will be on developing, evaluating and implementing international marketing strategy at the corporate, regional and local levels. By learning the theory and practice, the student will obtain a good conceptual understanding of the field of international marketing as well as become firmly grounded in the realities of the global marketplace.

MARK959 Sales Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This course involves organising and planning the company's overall personal selling efforts and integrating these efforts with the other elements of the firm's marketing strategy. It also includes the selecting of appropriate sales personnel and designing and implementing policies and procedures that will direct their efforts towards the firm's desired objectives. The final part of the course involves developing procedures for monitoring and evaluating sales force performance so that adjustments can be made to either the sales program or its implementation when performance is unsatisfactory.

MARK970 Contemporary Issues in Marketing

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This course will focus on advanced topics in marketing and strategic issues relating to marketing. Emphasis will be placed on reviewing contemporary readings in the academic and professional literature, together with a focus on practical issues affecting marketing

MARK977 Research For Marketing Decisions

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on the role & practice of marketing research in marketing. Marketing research can be defined as the systematic collection, analysis and interpretation of data about market-related and other consumer behaviour, using research methods derived from the behavioural & social sciences. Marketing research is an important means through which all types of organisations can obtain reliable and valid information about their markets, customers or clients in order to inform their marketing-related decisions. This subject will provide an overview of marketing research as an applied practice and will emphasize the practical aspects of doing research to meet client needs. It will cover the marketing research process beginning with client consultation and research design, as well as datacollection, data analysis and report preparation.

MARK989 Marketing Special topic

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: A program of coursework and reading as prescribed by the Head of School. This subject is normally available only to MCom(Honours) students.

MARK990 Minor Thesis

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None

MARK991 Major Thesis

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisites: None

MARK995 Tourism Marketing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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 plans 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 critically 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.

MARK997 Retail Marketing Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will include a background to retailing, the scope of retailing, retailing strategies, merchandise and store management. Particular emphasis will be placed on case analysis in order to bring as much of the real world as possible into the classroom.

MGMT901 Fundamentals of Management

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an overview of the principles of management, viewed in the context of western management literature. Students also develop competence in a range of academic skills at tertiary level. Chief management topics include: Management theories; The external environment, ethics and corporate social responsibility; The internal environment and organisational culture; Managing diversity; Strategy and structure; Leadership, Motivation; Managing information; Decision making; Managing people; Managing in a global environment. Chief academic skills topics include: Locating academic material; Referencing and use of other people's intellectual property; Summarising journal articles - what is important? Identifying the problem in a management case; Writing a research report.

MGMT908 Human Resources Development

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an advanced perspective on the use of Human Resource Development (HRD) in enhancing the competitive advantage of organisations, by building up the intellectual and learning system capacities of the organisation to cope with a rapid change, customer focused environment. The concept of the Learning Organisation will be developed through the perspective of the HRD policies and actions required to develop and change organisations through their human capital and capabilities

MGMT910 Strategic Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to theories, concepts and practical issues associated with the strategic management. Topics examined include strategy formulation, choice and implementation; strategy and structure and the organisational context; industry analysis; strategy and competitive advantage.

MGMT911 Organisational Behaviour

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject presents and discusses major theories and concepts in organisational behaviour, with a view to using this knowledge to enhance management and leadership skills. The main topics for discussion include: diversity, communication, conflict, motivation, job design, groups, teamwork, culture, leadership, decisionmaking, power, politics and ethics. There will be an emphasis on case study analysis and skill development exercises.

MGMT915 Management of Change

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject analyses how managers can conceptualise and lead the process of organisational change. Issues under discussion will be: organisational change theories and models; forces for change; resistance to change; coping with change; recognising, diagnosing, planning and implementing change; organisational development; contingency approaches to change; and aspects of cultural change management.

MGMT920 Organisational Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with an understanding of the main theoretical frameworks and conceptual tools used to analyse organisations. The subject approaches organisational analysis using four perspectives: bureaucratic, contingency, political, and cultural. Emphasis is placed on understanding the basis in theory and metaphorical roots of each perspective, as the foundation for using a multiple perspectives approach to identify the key dynamics of organisations.

MGMT930 Strategic Human Resource Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines strategic management concepts and frameworks, and explores the links between strategic management and human resource management. A number of models of strategic HRM are considered, in terms of their theoretical foundations and practical utility. The overall focus is on using the conceptual and analytical frameworks of strategic HRM to develop and implement effective human resource strategies.

MGMT940 Innovation and Entrepreneurship

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: True Entrepreneurship and Innovation are key to the future economic development in many nations. This subject investigates the Innovation and Entrepreneurial processes, including New Venture Creation (small firms) and Intrapreneurship (established firms). Students will learn how to differentiate between a good idea and a real business opportunity. A key part of this subject is the development of a realistic written business plan for an innovative business opportunity and its presentation via an action learning process utilising teams.

MGMT941 Small Business Management I

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The smaller enterprise is becoming increasingly important to the economic well being of many nations. This subject has both a theoretical and practical focus by giving students an opportunity to develop their awareness and understanding of the key factors in successfully starting, operating and growing a SME. Detailed investigation of realistic SME scenarios as well as the growth area of franchising is undertaken by students.

MGMT946 Personal Learning: The Reflective Manager

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers a range of theories and skills to assist the manager in developing their capacities as a 'reflective' practitioner. Topics include: personality types; interpersonal psychology; perceptions of self and others; risk perception and locus of control; issues of ethics, guilt, shame and responsibility

MGMT949 Performance Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the area of performance management, which is defined as an ongoing communication process that involves both the performance manager and employee. Key aspects of this process are examined. Topics include: identifying and describing essential job functions and relating them to the mission and goals of the organisation; developing performance standards; giving and receiving feedback about performance; writing and communicating constructive performance evaluations, and planning education and development activities to maintain and improve or build on employee work performance.

MGMT953 Human Resource Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Gives students a critical introduction to broad subject of Human Resource Management (HRM) and to examine in detail some of the specific strategic, theoretical and practical issues. Under the broad rubric of HRM there are a number of competing perspectives, view 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 human resources.

MGMT963 Management of Occupational Health and Safety

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines issues associated with the establishment of programs for the effective management of Occupational Health and Safety. Topics include: the regulatory context, OHS management systems, benefit-cost analysis, the impact of work organisation, culture and change on OHS, multidisciplinary perspectives, technical and motivational factors, the role of the specialist, OHS employee involvement, and training and development.

MGMT969 Job Analysis, Recruitment & Selection

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines contemporary issues and theory related to the environment and processes of organisational entry, involving the key phases of job analysis, recruitment, selection and socialisation. Traditional recruitment strategies are assessed from the perspective of the organisation and the individual in light of contemporary theoretical developments. A range of personnel selection techniques is examined in relation to issues of reliability, validity, fairness and applicability. In addition, there will be a focus on major challenges faced in these processes in the light of rapidly changing technologies and globalisation. Organisational entry processes will be

critically evaluated in the context of differing cultural expectations and practices. A range of practical skills in recruitment and selection processes will also be developed.

MGMT975 Negotiation Advocacy and Bargaining

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with ECON975
Subject Description: The subject develops concepts and techniques for the choice and evaluation of strategies and tactics in collective bargaining and advocacy. Much of the subject will involve case studies and role playing.

MGMT978 Cross Cultural Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject addresses key issues and problems associated with managing across cultural boundaries in a context of increasing global contact. Topics include: cross cultural communication, technology, comparative management practices, managing with multicultural policies, and the challenges cultural differences posed for international/global managers.

MGMT983 Leading Organisations: Politics, Power and Change Agency

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with the ability to reflect upon and improve their capacity to act effectively as an innovator and change agent. It introduces students to the nature of power and politics in organisations, how this dimension of organisational life impacts upon individual careers and organisational success, commonly recommended approaches and techniques for managing politics, and the personal and ethical issues involved in either participating in or abstaining from politics. The subject reviews current management research on organisational politics and change management, and provides checklists, case studies, guidelines and exercises for improving the students practical knowledge and experience.

MGMT986 Special Topics A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Approved program of study agreed with the Head of the Department of Management

MGMT987 Management Special Topic

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Approved program of study agreed with the Head of Discipline for Management

MGMT990 Minor Thesis

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: Approved program of study agreed with the Head of the Department of Management or Course Director.

MGMT991 Major Thesis

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisites: None
Subject Description: Approved program of study agreed with the Head of Discipline for Management Course Director.

PRMM901 Corporate Identity and Branding

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Brands are intangible assets that communicate organizational strategies and value systems. This subject will provide students with an understanding of the role of corporate identities and brands in maximising corporate reputation and shareholder value. The focus will be on analysing successful corporate identity and brand strategies and applying lessons to contemporary brand challenges. Students will learn conceptual frameworks for creating and managing corporate identities and brands and develop appropriate strategies for planning, communicating, implementing and evaluating brand systems and brand equity.

PRMM902 Interactive Public Relations

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: An integrated approach is adopted to provide students with knowledge of communication concepts and the public relations campaign strategies associated with traditional and new media: from interpersonal comunication to interactive technologies. Students will learn how to plan public relations, sponsorship, donor and media campaigns; manage issues and crises; and resolve ethical dilemmas. This subject will focus, in particular, on the interpersonal and organisational communication strategies and tactics required for a range of new media technologies, including blogs, wikis and social networking sites

PRMM903 Public Relations for Innovation and Change

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is

to provide students with a critical understanding of public relations strategies and relationship management processes. It will examine how public relations can strengthen and add value to innovation and change-related communication practices such as launching businesses and products, communicating change during mergers and acquisitions, and inspiring social innovation. Key topics covered include: strategies for encouraging innovation, communicating and responding to change, persuasion and publicity, the strategic design of meanings, and collaborative decision making.

Faculty of Creative Arts

Member Units

School of Art and Design
- Visual Arts
- Graphic Design
- Media Arts

School of Journalism and Creative Writing
- Journalism
- Creative Writing

School of Music and Drama
- Performance (Theatre)
- Sound - Composition and Production

Courses Offered

Research

Doctor of Philosophy

Doctor of Philosophy (Journalism)

Doctor of Creative Arts

Master of Arts – Research

Master of Arts – Research (Journalism)

Master of Creative Arts – Research

Coursework

Master of Creative Arts

Graduate Certificate in Journalism

Graduate Certificate in Broadcast Journalism

Master of Journalism

Master of Journalism Advanced

Graduate Certificate in Professional Writing

Master of Professional Writing

Master of Professional Writing Advanced

Information about academic staff, exhibitions, performances, Artists in Residence and other research and postgraduate matters is available on the Faculty of Creative Arts website at: www.uow.edu.au/crearts

For tuition fee information please see the following:

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

International - www.uow.edu.au/student/finances/UOW008306.html

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Faculty of Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per annum
Delivery Mode:	Supervised individual research/creative project
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	028401G

Overview

The Doctor of Philosophy is for those individuals with a track record of high-level professional or academic experience who wish to extend their practice within a scholarly context.

The Doctor of Philosophy is based on submission of a thesis in a scholarly field or a combination of scholarly thesis or exegesis and creative work presentation. The course is intended for scholars or artist-scholars who have a solid academic and/or artistic background and who wish to develop either or both fields to a doctoral level. Such candidates may have limited artistic experience, but should demonstrate high levels of promise and an appropriate standard of preparation. Assessment is by two external examiners.

It may be possible for individuals with appropriate expertise to undertake studies that involve more than one discipline area. Interested applicants should contact the Faculty's Professional Officer.

Entry Requirements / Assumed Knowledge

Applicants should have an Honours Bachelor degree of at least four years duration in an appropriate discipline at Class II, Division 1 or higher or equivalent qualifications. Applicants wishing to submit a combination of thesis and creative work should demonstrate that both their academic and artistic backgrounds equate with the above minimum standard. Applicants without a solid scholarly research background deemed sufficient may be required to undertake up to 24 credit points of coursework before commencing work on their thesis or may be required to commence their enrolment in the Master of Arts – Research and seek transfer to the Doctor of Philosophy (PhD) when they achieve a suitable standard.

It is important that applicants submit adequate material to demonstrate the quality and standing of their work.

Course Requirements

Students enrol in THES924 Thesis (full-time) or THES912 Thesis (part-time).

Submission will be in the form of:

- scholarly thesis (100%); or
- scholarly thesis or exegesis (50%) combined with creative work (50%).

The submission for the PhD will normally be a thesis in the range of 60,000 to 90,000 words, or an equivalent workload where submission is by thesis or exegesis and creative work. The exact nature of each submission will vary according to the student's educational and professional background and will be negotiated in consultation with the supervisor(s) and the Head of Postgraduate Studies. Examples of creative work submission include a folio of compositions or writing, exhibitions of artwork, and music or theatre performances. As a guide, the scale of the submission of creative work would normally not constitute significantly less than for the Doctor of Creative Arts.

Where the submission is a combination of thesis or exegesis and creative work, the Faculty requires that students submit the written documentation no later than the date of examination of their final exhibitions and performances, except under extraordinary circumstances approved by the supervisor and Head of Postgraduate Studies. Students presenting folios, for example literary manuscripts or music compositions, should place their thesis or exegesis and folio together in one submission for examination.

Assessment is by two external assessors.

Major Study Areas

School of Art and Design

Graphic Design

- Print and Publication Design
- Web, Interactive Multimedia and Motion Design
- Graphic Design and New Media Theory

Media Arts

- Photography, Film, Video and Animation
- Software and Electronic Art
- Contemporary Media and New Media Theory

Visual Arts

- 2D and 3D Studio Practice [photography, printmaking, textiles, painting and sculpture]
- Art History and Contemporary Theory [focussing particularly on issues of creative practice]
- Curatorial Theory and Practice

School of Journalism and Creative Writing

Creative Writing

- Poetry
- Prose
- Script Writing (film, television, theatre)

School of Music and Drama

Music

- Composition
- Digital and New Musics
- Composition for theatre in both online and physical environments
- New Interfaces for Musical Expression
- Tuning Systems

Theatre

- Performance
- Dramaturgy and Performance Studies
- Direction

Doctor of Philosophy (Journalism)

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Faculty of Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per annum
Delivery Mode:	Supervised individual research
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	028401G

Overview

The Doctor of Philosophy (Journalism) is for individuals with a track record of high level professional practice who wish to extend their work within a scholarly context. It is a flexible degree that allows students to pursue a detailed research project through either traditional thesis research or through a significant practical journalism project with a theoretical exegesis.

Innovative approaches to journalism and journalism studies that explore interdisciplinary academic approaches or extend journalism practice into areas such as creative non-fiction and multimedia documentary are encouraged.

Entry Requirements / Assumed Knowledge

Applicants should have a relevant first degree with Honours Class II, Division 1 or higher, or a Masters degree either in Journalism or in a related area, or possess equivalent or professional qualifications. Graduates in other disciplines at Masters level may also be considered if they can provide evidence of professional practice and research interests in specialist areas relevant to journalism theory and practice.

Applicants must submit a one page statement detailing their research history and professional experience and a comprehensive proposal of 2,500 words. Applicants will be assessed on the relevance of the proposal to the research interests of the journalism program. Other topics will be considered against the research expertise available in the Faculty. Applicants applying on the basis of professional media experience must include work samples.

Guidelines for submitting the research proposal are at: www.uow.edu.au/crearts/ under Prospective Postgraduates.

In certain circumstances students may be required to commence their enrolment in the Master of Arts - Research (Journalism) and seek transfer to the Doctor of Philosophy (PhD) when they achieve a suitable standard.

Course Requirements

Students enrol in THES924 Thesis (full-time) or THES912 Thesis (part-time).

This subject requires the submission of a scholarly thesis in the range of 80,000 to 100,000 words which involves both empirical data collection and theoretical analysis. Alternatively, submission may take the form of a significant practical journalism project in any combination of media. An exegetical component situates the practical work in the theoretical context of contemporary journalism studies and will usually be approximately 30,000 words.

The length and other requirements of a practical project will be determined during the proposal development process. As a guide, a significant print project would usually require the submission of approximately 50,000 words and could take the form of an inter-related series of features; a single piece of narrative non-fiction; or a project undertaken as an audio or audiovisual documentary. The latter would usually be of 60 - 90 minutes duration depending on the complexity of material and style. The parameters of equivalent combined multimedia projects will be determined on an individual basis.

The exact nature of each submission will vary according to the student's educational and professional background and will be negotiated in consultation with the supervisor(s) and the Head of Postgraduate Studies.

Assessment is by two external examiners.

For further information on Awards or Degree Rules, please see the General Course Rules.

Major Study Areas

- Community Journalism
- Comparative Media Systems
- Documentary Journalism
- Journalism Education and Training
- Multicultural and Development Journalism
- Broadcast Journalism
- Political Journalism
- Journalism Ethics
- Journalism and Disability
- Literary Journalism
- Convergent journalism and new media
- Oral history and journalism
- Journalism narratives and popular culture
- Journalism and religion

Doctor of Creative Arts

Testamur Title of Degree:	Doctor of Creative Arts
Abbreviation:	DCA
Home Faculty:	Faculty of Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per annum
Delivery Mode:	Supervised individual research/creative project
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	202
CRICOS Code:	001248A

Overview

The Doctor of Creative Arts is for those individuals with a track record of high level professional experience, who wish to extend their practice within a scholarly context.

The Doctor of Creative Arts is based on presentation of creative work and supported by written documentation of the context and theories underpinning the work. Assessment is by two external examiners.

It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested applicants should contact the Faculty's Professional Officer.

Entry Requirements / Assumed Knowledge

Applicants must possess an Honours Bachelor degree of at least four years duration in an appropriate discipline at Class II, Division 1 or higher (or its equivalent) and be able to demonstrate evidence of high artistic attainment. Examples of high artistic attainment include publication or professional dissemination of work; grants, fellowships and prizes; critical acclaim; a track record of sustained high level professional activity; and various indicators relevant to the specific discipline.

As a guide, students completing the Master of Creative Arts will need to achieve at or near a high distinction in the two coursework subjects and a satisfactory pass in the Major Presentation to be considered for entry to the Doctor of Creative Arts. Likewise, students who have completed coursework Masters programs at other universities should be aware that such qualifications might not be regarded as adequate preparation for immediate entry to the Doctor of Creative Arts program.

In certain circumstances, students may be required to undertake up to 24 credit points of coursework before commencing work on their dissertation or may be required to commence their enrolment in the Master of Arts – Research or Master of Creative Arts – Research, and seek transfer to the Doctor of Creative Arts, when and if they achieve the required standard.

Outstanding arts practitioners without the required formal qualifications may be allowed to enrol in the Doctor of Creative Arts provided they can demonstrate a sustained period of artistic activity at the highest level.

It is important that applicants submit adequate material to demonstrate the quality and standing of their work.

Course Requirements

Students enrol in THES924 Thesis (full-time) or THES912 Thesis (part-time).

The submission for the Doctor of Creative Arts will normally be by exhibition, performance or publication of creative work in the area of major, supported by written documentation (approximately 20,000 to 30,000 words) focusing on aspects such as origins of the work, structures and techniques used, and artistic theories underpinning the work. It may be appropriate to support written material with documentation in other forms, for example, photographs or sound and video recordings. In all cases, the dissertation is intended to be an integrated part of the full submission and, wherever possible, to argue the case for the merit and originality of the creative work. The Faculty is keen that the dissertation should be a vital and engaging document. It therefore permits some flexibility in the style of its submission. Nonetheless, the dissertation should be presented in a well-researched form that demonstrates an understanding of scholarly method.

In all cases, the submission should demonstrate originality and high levels of artistry and specialist skill. The written work should be of a high standard, show an engagement with artistic and intellectual ideas and have a strong artistic and academic focus. The exact nature of each student's program will be finalised in consultation with the supervisor(s) and the Head of Postgraduate Studies.

The Faculty requires Creative Arts research students to submit their dissertation at no later than the date of the examination of their final exhibitions and performances, except under extraordinary circumstances approved by the supervisor and Head of Postgraduate Studies. Students presenting folios, for example, literary manuscripts or music compositions should place their dissertation and folio together in one submission for examination.

Assessment is by two external examiners who normally assess all parts of the submission.

The following is intended as a guide to the scale and style of creative work submission:

Creative Writing:

Substantial folio of creative writing which may take the form of a large-scale project such as a novel (75,000 words), poetry collection (80 single-spaced pages) or play script (90 minutes duration), or a combination of smaller pieces.

Graphic Design:

Graphic design portfolio/exhibition and/or website/CD-Rom.

Media Arts:

Major solo exhibition of new media artwork plus documented preliminary exhibitions.

Music Composition:

Folio of up to 10 compositions and several works that employ large resources or performance media.

Performance – Theatre:

Direction of a production, the substance and duration of which will be negotiated with the supervisor/s and Head of Postgraduate Studies; significant dramaturgical analysis and portfolio of a full-length theatrical performance; or performance in a major role demonstrating high levels of technical assurance and artistry.

Visual Arts:

Major solo exhibition of artwork plus documented preliminary exhibitions.

Major Study Areas

Refer to listing under Doctor of Philosophy entry.

Master of Arts - Research

Testamur Title of Degree:	Master of Arts - Research
Abbreviation:	MA-Res
Home Faculty:	Faculty of Creative Arts
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Supervised individual research/creative project Face to face coursework may be required depending on entry level
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1343
CRICOS Code:	042539F

Overview

The Master of Arts – Research is a course for high-level practitioners who wish to extend their practice within a scholarly context.

The Master of Arts – Research consists of one 24 credit point coursework subject and a thesis in a scholarly field (or a combination of thesis and original creative work). In some cases, it may be possible to apply to transfer to a doctoral program (DCA or PhD) after a suitable period of study (normally at least the equivalent of nine months of full-time enrolment).

It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested applicants should contact the Faculty's Professional Officer.

Entry Requirements / Credit Arrangements

Applicants with an Honours Bachelor degree in an appropriate discipline at Class II, Division 1 or higher, or its equivalent, may be granted credit transfer for CREA921 (Research Topics in Creative Arts) and be admitted directly into the Thesis subject.

Applicants without appropriate qualifications or research background may be admitted to the course by undertaking CREA921 (Research Topics in Creative Arts) and, on successful completion at credit level or better, may be permitted to proceed into the Thesis.

Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Requirements

Students enrol in THES924 Thesis (full-time) or THES912 Thesis (part-time) under which they submit a scholarly thesis, or a combination of scholarly thesis and presentation of creative work. As a guide, submission by thesis only will be in the range of 40,000 to 50,000 words, with an equivalent workload where submission is by thesis (20,000 to 25,000 words) and creative work. MA-Res students must also complete CREA921 (Research Topics in Creative Arts).

Examples of creative work submission include a folio of compositions or writing, exhibition of artwork, and music or theatre performances. As a guide, the submission of creative work would normally not constitute less than the expectations in the subjects MUS914, THEA913, VISA913, DESN913 or WRIT913 as applicable. The exact nature of each submission will vary according to the student's educational and professional background and will be negotiated in consultation with the supervisor(s) and Head of Postgraduate Studies. A brief explanatory annotation may be submitted to support the creative work submission.

Where the submission is a combination of thesis and creative work, the Faculty requires that students submit their thesis no later than the date of examination of their final exhibitions and performances, except under extraordinary circumstances approved by the supervisor and Head of Postgraduate Studies. Students presenting folios, for example literary manuscripts or music compositions, should place their thesis and folio together in one submission for examination.

Assessment for the Master of Arts – Research is by two external assessors.

For further information on Awards or Degree Rules, please see the General Course Rules.

Course Program

Subjects		Session	Credit Points
CREA921	Research Topics in Creative Arts	Autumn or Spring or Annual	24
and			
THES924	Thesis full-time	Autumn and/or Spring	24
or			
THES912	Thesis part-time	Autumn and/or Spring	12

Major Study Areas

Refer to listing under Doctor of Philosophy entry.

Master of Arts - Research (Journalism)

Testamur Title of Degree:	Master of Arts – Research
Abbreviation:	MA-Res
Home Faculty:	Faculty of Creative Arts
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Supervised individual research (face-to-face coursework may be required depending on entry level)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1343
CRICOS Code:	042553G

Overview

The Master of Arts-Research (Journalism) is a flexible degree that allows students to pursue a detailed research project through either traditional thesis research or a significant practical journalism project with a theoretical exegesis.

Innovative approaches to journalism and journalism studies that explore interdisciplinary academic approaches or extend journalism practice into areas such as creative non-fiction and multimedia documentary are encouraged.

Entry Requirements / Credit Arrangements

To qualify for entry into the MA-R(J) program applicants will have either an Honours Bachelor degree in an appropriate discipline at Class II, Division 1 or higher, or equivalent qualifications, or significant professional experience in journalism.

Applicants with an honours degree may be granted credit transfer and admitted directly into the Thesis subject. Applicants without the appropriate qualifications or research background but who have significant professional experience may be admitted to the course by undertaking JOUR992 (Research Topics in Journalism) and, on satisfactory completion, may be permitted to proceed directly into the Thesis subject.

In some cases it may be possible to apply to transfer to a PhD after a suitable period of study (normally at least the equivalent of nine months of full-time enrolment) and having established that the research is at the PhD level.

Applicants must submit a one-page statement detailing their research history and a proposal of 2,000 words. Applicants will be assessed on the relevance of the proposal to the research interests of the program in journalism. Other topics will be considered against the research expertise available in the Faculty.

Applicants applying on the basis of professional media experience must include work samples.

Guidelines for submitting the research proposal are at: www.uow.edu.au/crearts/ under Prospective Postgraduates.

Course Requirements

Students enrol in THES924 Thesis (full-time) or THES912 Thesis (part-time). This subject requires the submission of a thesis of approximately 50,000 words which involves both empirical data collection and theoretical analysis. Alternatively, submission may take the form of a significant practical journalism project undertaken in any combination of media. An exegetical component situates the practical work in the theoretical context of contemporary journalism studies and will usually be approximately 20,000 words.

The length and other requirements of a significant practical journalism project will be determined during the proposal development process. For example, a print project would usually require the submission of approximately 30,000 words and could take the form of an inter-related series of features or a single piece of narrative non-fiction. A project undertaken as an audio or audiovisual documentary would usually be of 30-60 minutes duration depending on the complexity of material and style. The parameters of equivalent combined multimedia projects will be worked out on an individual basis.

MA-Res(Journalism) students must also complete JOUR992 (Research Topics in Journalism).

Assessment is by two external assessors.

For further information on Awards or Degree Rules, please see the General Course Rules.

Course Program

Subjects		Session	Credit Points
JOUR992	Research Topics in Journalism	Autumn or Spring or Annual	24
and			
THES924	Thesis full time	Autumn and/or Spring	24
or			
THES912	Thesis part time	Autumn and/or Spring	12

Major Study Areas

See listing under Doctor of Philosophy (Journalism).

Master of Creative Arts - Research

Testamur Title of Degree:	Master of Creative Arts - Research
Abbreviation:	MCA-Res
Home Faculty:	Faculty of Creative Arts
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Supervised individual research/creative project (face-to-face coursework may be required depending on entry level)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1302
CRICOS Code:	044409M

Overview

The Master of Creative Arts – Research is a course for high level creative arts practitioners who wish to extend their practice within a scholarly context and whose work is at a standard beyond that required for the Pass Masters (MCA) but who do not possess the requirements for entry to the Doctoral program. It normally consists of two 12 credit point coursework subjects plus a major presentation. In some cases, it may be possible to apply to transfer to the Doctor of Creative Arts after a suitable period of study (normally at least the equivalent of nine months of full-time enrolment).

It may be possible for individuals with appropriate expertise to undertake studies that involve more than one discipline area. Interested applicants should contact the Faculty's Professional Officer.

Entry Requirements / Assumed Knowledge

Applicants should hold an appropriate Bachelor degree with Honours Class II, Division 1 or higher (or its equivalent) and be able to demonstrate evidence of strong artistic attainment/potential. Examples of artistic attainment and potential include publication or professional dissemination of work; grants, fellowships and prizes; high-level professional activity; and various indicators relevant to the specific discipline.

Credit Arrangements

Applicants who have completed other relevant qualifications deemed to be equivalent may be granted credit transfer for one or both of the 12 credit point coursework subjects.

Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Requirements

Students enrol in THES924 Thesis (full-time) or THES912 Thesis (part-time) under which they complete a major presentation of creative work. The submission of creative work will normally be by exhibition, performance or presentation in the area of the major, supported by written documentation (approximately 5,000 words) focusing on aspects such as origins of the work, structures and techniques used, and artistic theories underpinning the work. The Faculty requires that research students submit their written documentation no later than the date of examination of their final exhibitions and performances, except under extraordinary circumstances approved by the supervisor and Head of Postgraduate Studies. Students presenting folios, for example literary manuscripts or music compositions, should place their dissertation and folio together in one submission for examination.

Students must also complete two 12 credit point coursework subjects in their discipline area.

The following is intended as a guide to the scale and style of creative work submission.

Creative Writing:

Substantial folio of creative writing which may take the form of a large-scale project such as a novel (50,000 words), poetry collection (64 single-spaced pages) or script (75 minutes duration), or a combination of smaller pieces.

Graphic Design:

Graphic design portfolio/exhibition and/or website/CD-Rom. As an example of content, designers would submit 10 to 15 graphic design works. Web designers would submit a major interactive web site or at least three smaller sites on the net. Multimedia designers would submit a substantial interactive CD-Rom that demonstrates an innovative and professional design approach. All students must submit design roughs and supporting material for exhibition.

Media Arts:

Major solo exhibition of new media artwork plus documented preliminary exhibitions.

Music Composition:

Folio of compositions including up to five compositions and at least one work that employs large resources or performance media.

Performance – Theatre:

Demonstration of proficiency and artistry in one of the following: directing, dramaturgy or performance in a production of 45 to 60 minutes duration.

Visual Arts:

Major solo exhibition of artwork plus documented preliminary exhibitions. As an example of content, painters should submit at least eight to 12 major pieces, plus drawings and supporting material of exhibition standard. Equivalent amounts of work will be expected of students working in other areas of the visual arts.

Assessment for the Master of Creative Arts – Research is by two external assessors.

For further information on Awards or Degree Rules, please see the General Course Rules.

Course Program

Subjects		Session	Credit Points
THES924	Thesis full-time	Autumn and/or Spring	24
or			
THES912	Thesis part-time	Autumn and/or Spring	12
Plus coursework subjects in area of specialisation:			
Creative Writing			
WRIT910	Analysis of Texts	Autumn	12
WRIT911	Literary Composition	Spring	12
Graphic Design			
DESN910	Graphic Design Theory and Industry Research Methodologies	Autumn	12
DESN911	Studies in Process and Analysis: Graphic Design and New Media	Spring	12
Media Arts			
DESN910	Graphic Design Theory and Industry Research Methodologies	Autumn	12
DESN911	Studies in Process and Analysis: Graphic Design and New Media	Spring	12
OR			
VISA910	Visual Arts Theory	Autumn	12
VISA911	Studies in Process and Analysis: Visual Arts	Spring	12
Music Composition			
MUS910	Music Analysis	Autumn	12
MUS915	Studies in Composition Technique	Spring	12
Theatre			
THEA910	Theatre Analysis	Autumn	12
THEA911	Advanced Techniques in Theatre	Spring	12
Visual Arts			
VISA910	Visual Arts Theory	Autumn	12
VISA911	Studies in Process and Analysis: Visual Arts	Spring	12

Major Study Areas

Refer to listing under Doctor of Philosophy entry.

Master of Creative Arts

Testamur Title of Degree:	Master of Creative Arts
Abbreviation:	MCA
Home Faculty:	Faculty of Creative Arts
Duration:	1 year full-time or 1.5 to 2 years part-time
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face with supervised creative work)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	564
CRICOS Code:	000290G

Overview

The Master of Creative Arts (MCA) is an intensive course focusing on the attainment of high level practical skills. It normally consists of two coursework subjects plus a Major Presentation of creative work.

Each student is allocated a supervisor(s) responsible for the Major Presentation who advises on development of the creative work and its documentation.

It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested applicants should contact the Faculty's Professional Officer.

Entry Requirements / Assumed Knowledge

Normally applicants should hold a Bachelor degree from a recognised institution in an appropriate area of study. Students without adequate formal qualifications may be required to complete up to 48 credit points of additional study, incorporating relevant subjects; 48 credit points is the maximum number that can be completed in an academic year. Applicants should have professional experience in their chosen area of study.

Course Requirements

Students are required to complete 48 credit points of 900 level subjects consisting of two 12 credit point coursework subjects plus a 24 credit point Major Presentation. The following is intended as a guide for the Major Presentation:

DESN913 Major Presentation – Graphic Design:

As an example of content, graphic designers would submit 10 graphic design works; interactive designers would produce a major interactive web site or multimedia piece, or several smaller sites or multimedia works.

MUS914 Major Presentation – Music Composition:

Students will submit a major compositional project or portfolio, the substance and duration of which will be determined in consultation with the supervisor/s accompanied by an analytical commentary of at least 2,000 words including appropriate citation.

THEA913 Major Presentation – Theatre:

The Major Presentation is the planning and implementation of a practical presentation of the student's work. Students will give a public presentation accompanied by a 2,500 word analysis of the process undertaken with appropriate annotation and commentary. All aspects of the presentation including content and duration must be negotiated with the supervisor(s).

VISA913 Major Presentation – Visual Arts:

As an example of content, painters should submit at least eight major pieces, plus drawings and supporting material of exhibition standard. Equivalent amounts of work will be expected of students working in other areas of the visual arts.

WRIT913 Major Presentation – Creative Writing:

Students will present either a work of short prose fiction (25,000 words); or collection of poetry (48 single-spaced pages); or a (60-minute) theatre/film/television script.

All students must submit a detailed outline of their proposed work for the Major Presentation to the supervisor(s) by the fourth week of enrolment. A cross-disciplinary approach may be possible. Assessment will be by two internal assessors and students will be awarded a 'satisfactory' or 'unsatisfactory' grade for the major presentation.

For further information on Awards or Degree Rules, please see the General Course Rules.

Course Program

Subjects		Session	Credit Points
Creative Writing			
WRIT910	Analysis of Texts	Autumn	12
WRIT911	Literary Composition	Spring	12
WRIT913	Major Presentation – Creative Writing	Annual	24
Graphic Design			
DESN910	Graphic Design Theory and Industry Research Methodology	Autumn	12
DESN911	Studies in Process and Analysis: Graphic Design	Spring	12
DESN913	Major Presentation - Graphic Design	Annual	24
Music Composition			
MUS 910	Music Analysis	Autumn	12
MUS 915	Studies in Composition Technique	Spring	12
MUS 914	Major Presentation - Music Composition	Annual	24
Theatre			
THEA910	Theatre Analysis	Autumn	12
THEA911	Advanced Techniques in Theatre	Spring	12
THEA913	Major Presentation - Theatre	Annual	24
Visual Arts			
VISA910	Visual Arts Theory	Autumn	12

Subjects		Session	Credit Points
VISA911	Studies in Process and Analysis: Visual Arts	Spring	12
VISA913	Major Presentation - Visual Arts	Annual	24

Graduate Certificate in Journalism

Testamur Title of Degree:	Graduate Certificate In Journalism
Abbreviation:	GradCertJour
Home Faculty:	Faculty of Creative Arts
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1174
CRICOS Code:	064113F

Overview

The Graduate Certificate in Journalism is designed to suit people who are seeking a career in Journalism or a cognate discipline. The program provides students with an understanding of the industry and the basic skills they need to produce news stories. They will also gain an understanding of the legal and ethical issues that impact on journalism as practised in a western liberal democracy. Students who complete the Graduate Certificate program of study with a credit average or higher may articulate into the Master of Journalism with the approval of the Head of School.

Entry Requirements / Assumed Knowledge

It is anticipated that most applicants will have completed a degree in a non-related discipline, or may have recently commenced work as a journalist and are seeking a professional qualification.

Qualified journalists who do not have a university degree are eligible for consideration on the basis of documented evidence of at least two years full-time experience.

Applicants with an undergraduate degree must provide certified academic transcripts and curriculum vitae (CV) outlining work-history and/or academic study. Applicants with experience in journalism or a media related industry must provide details of their employment history (CV).

Applicants must provide an 800 word opinion article on the topic "Journalists – who are they really?" If applying on the basis of industry experience, samples of work are required.

Information about the University of Wollongong's English Language Requirements can be found at www.uow.edu.au/future/international/apply/english.

Selected applicants may be required to attend an interview.

Credit Arrangements

Credit transfer may be granted for a particular subject(s) on the basis of previous education, training or professional experience. An application for credit transfer must be accompanied by certified copies of documents or other evidence to substantiate the request. Evidence may include academic transcripts, samples of published work, and letters from employers verifying experience and length of service.

Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Requirements/Program

Subjects		Session	Credit Points
Compulsory			
JRNL910	Journalism and Society	Autumn: Wollongong	6
JRNL911	Introduction to News Writing	Autumn: Wollongong	6
JRNL912	Legal and Ethical Issues	Autumn: Wollongong	6
One elective chosen from:			
JRNL915	Professional Writing 2	Autumn: Wollongong	6
JRNL916	Journalism Investigation and Research	Spring: Wollongong	6
MEDA901	Multimedia Documentary	Not on offer in 2010	6

Or one 200 or 300 level subject from the Bachelor of Journalism schedule

For further information on Awards or Degree Rules, please see the General Course Rules.

Graduate Certificate in Broadcast Journalism

Testamur Title of Degree:	Graduate Certificate in Broadcast Journalism
Abbreviation:	GradCertBroadcastJour
Home Faculty:	Faculty of Creative Arts
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	Autumn and Spring (depending on enrolments)
Location:	Wollongong
UOW Course Code:	1173
CRICOS Code:	064115D

Overview

This program is designed to suit people who have some experience in Journalism or a cognate discipline (either through professional experience or through undergraduate study) and are seeking a career in broadcast or convergent media. The program provides students with the skills they need to produce news stories for broadcast and online media. Students who complete the program of study with a credit average or higher may apply to transfer to the Master of Journalism program.

Entry Requirements / Assumed Knowledge

It is anticipated that most applicants will have completed a degree in a non-related discipline, or may have recently commenced work as a journalist and are seeking a professional qualification.

Qualified journalists who do not have a university degree are eligible for consideration on the basis of documented evidence of at least two years full-time experience.

Applicants with an undergraduate degree must provide certified academic transcripts and curriculum vitae (CV) outlining work history and/or academic study. Applicants with experience in journalism or a media-related industry must provide details of employment history (CV).

Applicants must provide an 800 word opinion article on the topic "Journalists – who are they really?" If applying on the basis of industry experience, samples of work are required.

Information about the University of Wollongong's English Language Requirements can be found at www.uow.edu.au/future/international/apply/english.

Selected applicants may be required to attend an interview.

Credit Arrangements

Credit transfer may be granted for a particular subject(s) on the basis of previous education, training or professional experience. An application for credit transfer must be accompanied by certified copies of documents or other evidence to substantiate the request. Evidence may include academic transcripts, samples of published work, and letters from employers verifying experience and length of service.

Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Program

Subjects		Session	Credit Points
JRNL918	Radio Journalism	Spring: Wollongong,	6
JRNL919	Television Journalism	Spring: Wollongong,	6
JRNL920	Journalism Project	Autumn or Spring: Wollongong,	6

Plus one elective chosen from the Journalism schedules

For further information on Awards or Degree Rules, please see the General Course Rules.

Master of Journalism

Testamur Title of Degree:	Master of Journalism
Abbreviation:	MJour
Home Faculty:	Faculty of Creative Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	573
CRICOS Code:	026812E

Overview

The Master of Journalism (MJ) is a practical coursework program, designed to provide critical educational and vocational training in journalism. It assists students in adapting to structural and technological change and promotes critical evaluation of professional journalism processes through its teaching and research.

Entry Requirements / Assumed Knowledge

The Master of Journalism is available to students who have completed the Graduate Certificate in the relevant stream or individuals with industry experience.

Qualified journalists who possess an undergraduate degree will be considered for entry with three years professional journalism experience.

Qualified journalists who do not have an undergraduate qualification are eligible for consideration on the basis of evidence of at least five years full-time experience.

Applicants with an undergraduate degree must provide certified academic transcripts and curriculum vitae (CV) outlining work history and/or academic study. Applicants with experience in journalism or a media-related industry must provide details of employment history (CV).

Applicants must provide an 800 word opinion article on the topic "Journalists – who are they really?" If applying on the basis of industry experience, samples of work are required.

Information about the University of Wollongong's English Language Requirements can be found at www.uow.edu.au/future/international/apply/english.

Selected applicants may be required to attend an interview.

Credit Arrangements

Credit transfer may be granted for a particular subject(s) on the basis of previous education, training or professional experience. An application for credit transfer must be accompanied by certified copies of documents or other evidence to substantiate the request. Evidence may include academic transcripts, samples of published work, and letters from employers verifying experience and length of service.

Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Structure/Requirements

Students are required to undertake a program of study totalling 48 credit points. This will be made up of a combination of subjects offered within the Journalism Schedule or in combination with other Faculties. The program of study must be discussed with the Journalism Program Coordinator prior to enrolment.

Subjects		Session	Credit Points
Compulsory			
JRNL910	Journalism and Society	Autumn: Wollongong,	6
JRNL911	News Writing Fundamentals	Autumn: Wollongong	6
JRNL912	Legal and Ethical Issues	Autumn: Wollongong	6
JRNL913	Introduction to Convergent Journalism	Autumn: Wollongong	6
Plus 24 credit points chosen from the following:			
JRNL915	Professional Writing 2	Autumn: Wollongong	6
JRNL916	Journalism Investigation and Research	Spring: Wollongong	6

JRNL917	Feature Writing	Autumn or Spring: Wollongong	6
JRNL918	Radio Journalism	Spring: Wollongong	6
JRNL919	Television Journalism	Spring: Wollongong	6
JRNL920	Journalism Project	Autumn or Spring: Wollongong	6
JRNL921	Advanced Journalism Project	Spring: Wollongong	12
JRNL922	Major Journalism Project	Spring: Wollongong	24
JRNL923	Advanced Convergent Journalism	Spring: Wollongong	6
JRNL925	International Journalism	Not on offer 2010	6
MEDA901	Multimedia Documentary	Not on offer 2010	6

With approval of the Course Co-ordinator, up to 12 credit points may be selected from subjects from the undergraduate schedule or other faculties.

For further information on Awards or Degree Rules, please see the General Course Rules.

Master of Journalism Advanced

Testamur Title of Degree:	Master of Journalism Advanced
Abbreviation:	MJourAdv
Home Faculty:	Faculty of Creative Arts
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus
Starting Session(s):	Autumn and Spring
Location:	Wollongong
UOW Course Code:	1593
CRICOS Code:	064109B

Overview

This program is reserved for a small number of outstanding students. It is anticipated that students accepted into this program will have a well-established career as industry professionals behind them and will be seeking a qualification that not only reflects their standing within the industry, but also enables them to undertake a course of study that allows them to apply that experience and knowledge in either a practical or theoretical context.

Direct entry into this program will be highly competitive and will reflect the standing of the individuals accepted. The program length relative to other postgraduate offerings reflects the fact that students will be able to negotiate credit transfer based on their industry experience.

Entry Requirements / Assumed Knowledge

Students who achieve outstanding results in the first six months of study in the Master of Journalism program may apply to transfer to the Advanced Masters.

Direct entry into the Advanced Masters program will only be available to people who have considerable Journalism experience (generally a minimum of 10 years). Entry will also be dependent on the provision of a portfolio of work and an interview.

Applicants must provide an 800 word opinion article on the topic "Journalists – who are they really?" If applying on the basis of industry experience, samples of work are required.

Information about the University of Wollongong's English Language Requirements can be found at www.uow.edu.au/future/international/apply/english.

Selected applicants may be required to attend an interview.

Credit Arrangements

Credit transfer may be granted for a particular subject(s) on the basis of previous education, training or professional experience. An application for credit transfer must be accompanied by certified copies of documents or other evidence to substantiate the request. Evidence may include academic transcripts, samples of published work, and letters from employers verifying experience and length of service.

Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Structure/Requirements

The exact program of study must be negotiated with the Head of School, and will generally include 48 credit points from the Master of Journalism (see Schedule below) plus a 24 credit point thesis or creative project (any medium). Students are able to include subjects offered across the University, with a minimum of 60 percent being selected from the Journalism schedule.

Subjects		Session	Credit Points
JRNL910	Journalism and Society	Autumn: Wollongong,	6
JRNL911	News Writing Fundamentals	Autumn: Wollongong	6
JRNL912	Legal and Ethical Issues	Autumn: Wollongong	6
JRNL913	Introduction to Convergent Journalism	Autumn: Wollongong	6
Plus 24 credit points from the following:			
JRNL915	Professional Writing 2	Autumn: Wollongong	6
JRNL916	Journalism Investigation and Research	Spring: Wollongong	6
JRNL917	Feature Writing	Autumn or Spring: Wollongong	6
JRNL918	Radio Journalism	Spring: Wollongong	6
JRNL919	Television Journalism	Spring: Wollongong	6
JRNL920	Journalism Project	Autumn or Spring: Wollongong	6
JRNL921	Advanced Journalism Project	Spring: Wollongong	12
JRNL923	Advanced Convergent Journalism	Spring: Wollongong	6
JRNL925	International Journalism	Not on offer 2010	6
MEDA901	Multimedia Documentary	Not on offer 2010	6
JRNL922	Major Journalism Project	Spring: Wollongong	24

With approval of the Course Co-ordinator, up to 12 credit points may be selected from subjects from other faculties. Plus a 24 credit point thesis or creative project.

For further information on Awards or Degree Rules, please see the General Course Rules.

Graduate Certificate in Professional Writing

Testamur Title of Degree:	Graduate Certificate in Professional Writing
Abbreviation:	GradCertProfWrit
Home Faculty:	Faculty of Creative Arts
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1175
CRICOS Code:	064112G

Overview

The Graduate Certificate in Professional Writing will suit individuals seeking careers in industry, business or government with a writing focus. The two Professional Writing subjects are designed to provide students with the capacity to produce a range of written materials (reports, media releases, position papers, annual reports, speeches and brochures). Students who complete the program of study with a credit average or higher may apply to transfer to the Master of Professional Writing program.

Entry Requirements / Assumed Knowledge

Undergraduate degree or professional experience in a cognate discipline.

Qualified industry practitioners are eligible for consideration on the basis of documented evidence of at least two years full-time experience.

Applicants with an undergraduate degree must provide certified academic transcripts and curriculum vitae (CV) outlining work history and/or academic study. Applicants with experience in journalism or a media-related industry must provide details of employment history (CV).

Applicants must provide an 800-word opinion article on the topic – "Professional writing – what function does it serve and how?" If applying on the basis of industry experience, samples of work are required.

Information about the University of Wollongong's English Language Requirements can be found at www.uow.edu.au/future/international/apply/english.

Selected applicants may be required to attend an interview.

Credit Arrangements

Credit transfer may be granted for a particular subject(s) on the basis of previous education, training or professional experience. An application for credit transfer must be accompanied by certified copies of documents or other evidence to substantiate the request. Evidence may include academic transcripts, samples of published work, and letters from employers verifying experience and length of service.

Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Program

Subjects		Session	Credit Points
JRNL911	Introduction to News Writing	Autumn: Wollongong	6
JRNL912	Legal and Ethical Issues	Autumn: Wollongong	6
JRNL914	Professional Writing 1	Autumn: Wollongong	6
JRNL915	Professional Writing 2	Autumn: Wollongong	6

Students who have completed a Bachelor of Communication and Media Studies with a Journalism stream could substitute JRNL911 and JRNL912 with other Journalism subjects, including subjects from the 200 or 300 level Bachelor of Journalism program.

For further information on Awards or Degree Rules, please see the General Course Rules.

Master of Professional Writing

Testamur Title of Degree:	Master of Professional Writing
Abbreviation:	MProfWrit
Home Faculty:	Faculty of Creative Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1595
CRICOS Code:	064111G

Overview

This program is designed for two cohorts of students: (1) those who have completed the Graduate Certificate in Professional Writing and wish to further upgrade their skills; and (2) people working in a cognate field who wish to obtain professional qualifications that recognise their skill set.

Entry Requirements / Assumed Knowledge

The Master of Professional Writing is available to students who have completed the Graduate Certificate in Professional Writing with a credit average or higher.

Qualified industry practitioners who possess an undergraduate degree will be considered for entry with evidence of three years professional experience.

Qualified industry practitioners who do not have an undergraduate qualification are eligible for consideration on the basis of evidence of at least five years full-time experience.

Applicants with an undergraduate degree must provide certified academic transcripts and curriculum vitae (CV) outlining work history and/or academic study. Applicants with industry experience must provide details of their employment history (CV).

Applicants must provide an 800 word opinion article on the topic – "Professional writing – what function does it serve and how?" If applying on the basis of industry experience, samples of work are required.

Information about the University of Wollongong's English Language Requirements can be found at www.uow.edu.au/future/international/apply/english.

Selected applicants may be required to attend an interview.

Credit Arrangements

Credit transfer may be granted for a particular subject(s) on the basis of previous education, training or professional experience. An application for credit transfer must be accompanied by certified copies of documents or other evidence to substantiate the request. Evidence may include academic transcripts, samples of published work, and letters from employers verifying experience and length of service.

Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Structure/Requirements

Students are required to undertake a program of study totalling 48 credit points made up of a combination of subjects offered within the Journalism Schedule or in combination with other Faculties. The program of study is to be approved by the Program Coordinator and/or Head of School.

Subjects		Session	Credit Points
Compulsory			
JRNL912	Legal and Ethical Issues	Autumn: Wollongong	6
JRNL914	Professional Writing 1	Autumn: Wollongong	6
JRNL915	Professional Writing 2	Autumn: Wollongong	6
Plus one of			
JRNL913	Introduction to Convergent Journalism	Autumn: Wollongong	6
JRNL915	Professional Writing 2	Autumn: Wollongong	6
And 24 credit points chosen from the following:			
JRNL917	Feature Writing	Spring: Wollongong	6
JRNL918	Radio Journalism	Spring: Wollongong	6
JRNL919	Television Journalism	Spring: Wollongong	6
JRNL920	Journalism Project	Autumn or Spring: Wollongong	6
JRNL921	Advanced Journalism Project	Spring: Wollongong	12
JRNL923	Advanced Convergent Journalism	Spring: Wollongong	6
JRNL925	International Journalism	Not on offer in 2010	6
JRNL922	Major Journalism Project	Spring: Wollongong	24

With approval of the Course Co-ordinator, up to 12 credit points may be selected from subjects from other faculties.

For further information on Awards or Degree Rules, please see the General Course Rules.

Master of Professional Writing Advanced

Testamur Title of Degree:	Master of Professional Writing Advanced
Abbreviation:	MProfWritAdv
Home Faculty:	Faculty of Creative Arts
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1594
CRICOS Code:	064110J

Overview

This program is reserved for a small number of outstanding students. It is anticipated that students accepted into this program will have a well-established career as industry professionals behind them and will be seeking a qualification that not only reflects their standing within the industry, but also enables them to undertake a course of study that allows them to apply that experience and knowledge in either a practical or theoretical context.

Direct entry into this program will be highly competitive and will reflect the standing of the individuals accepted. The program length relative to other postgraduate offerings reflects the fact that students will be able to negotiate credit transfer based on their industry experience.

Entry Requirements / Assumed Knowledge

Students who achieve outstanding results in the first six months of study in the Master of Professional Writing program may apply to transfer to the Advanced Masters.

Qualified industry practitioners are eligible for consideration on the basis of evidence of at least ten years full-time experience.

Applicants with an undergraduate degree must provide certified academic transcripts and curriculum vitae (CV) outlining work history and/or academic study. Applicants with industry experience must provide details of employment history (CV).

Applicants must provide an 800-word opinion article on the topic – "Professional writing – what function does it serve and how?" If applying on the basis of industry experience, samples of work are required.

Information about the University of Wollongong's English Language Requirements can be found at www.uow.edu.au/future/international/apply/english.

Selected applicants may be required to attend an interview.

Credit Arrangements

Credit transfer may be granted for a particular subject(s) on the basis of previous education, training or professional experience. An application for credit transfer must be accompanied by certified copies of documents or other evidence to substantiate the request. Evidence may include academic transcripts, samples of published work, and letters from employers verifying experience and length of service.

Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Structure/Requirements

The exact program of study must be negotiated with the Head of School, and will generally include 48 credit points from the Master of Professional Writing (see Schedule below) plus a 24 credit point thesis or creative project (any medium). Students are able to include subjects offered across the University, with a minimum of 60 percent being selected from the Journalism schedule.

Subjects		Session	Credit Points
Compulsory			
JRNL912	Legal and Ethical Issues	Autumn: Wollongong	6
JRNL914	Professional Writing 1	Autumn: Wollongong	6
JRNL915	Professional Writing 2	Autumn: Wollongong	6
Plus one of			
JRNL913	Introduction to Convergent Journalism	Autumn: Wollongong	6
JRNL915	Professional Writing 2	Autumn: Wollongong	6

And 24 credit points chosen from the following:

JRNL917	Feature Writing	Spring: Wollongong	6
JRNL918	Radio Journalism	Spring: Wollongong	6
JRNL919	Television Journalism	Spring: Wollongong	6
JRNL920	Journalism Project	Autumn or Spring: Wollongong	6
JRNL921	Advanced Journalism Project	Spring: Wollongong	12
JRNL923	Advanced Convergent Journalism	Spring: Wollongong	6
JRNL925	International Journalism	Not on offer in 2010	6

With approval of the Course Co-ordinator, up to 12 credit points may be selected from subjects from other faculties.
Plus a With Approval of the Course Co-ordinator up to 12 credit points may be selected from subjects from other faculties plus:

JRNL922	Major Journalism Project	Spring: Wollongong	24

For further information on Awards or Degree Rules, please see the General Course Rules.

SUBJECT DESCRIPTIONS

CREA921 Research Topics in Creative Arts

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students enrolled in the research degrees in Creative Arts with training in the theories and research methodologies current in their chosen discipline areas. This training involves three modules of study: 1. a specific theory and methods module; 2. an advanced content-based module in the student's discipline area; and 3. a module in which the student writes a detailed research proposal for their thesis/exegesis. The precise content of these modules will be determined on a case-by-case basis, with the student and the supervisor. It will be approved by the Head of Postgraduate Studies.

DESN901 Commercial Graphic Design Practice*

Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with DESN301
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.

DESN902 Reflective Design Practice*

Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with DESN302
Subject Description: This unit focuses on building a professional design profile and developing a reflective practice. The development of a design profile of self-selected projects involving design for print and interactive media will focus on developing each students' design strengths and personal style. Engaging with reflective practice provides a framework for understanding and plotting the process of design practice and activity. The inclusion of structured reflection provides a scaffold for the designer to unpack the design process and expose the design knowledge and skill implicit in the finished design project.

DESN910 Graphic Design Theory and Industry Research Methodologies

Autumn	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores key aspects of contemporary graphic design theory and practice in both national and transnational contexts. It allows students to develop their own research within specific theoretical frameworks and with knowledge of historical design movements. The subject overviews production processes and emerging technologies of visual communications at both an individual and industrial level. As opportunity permits, guest designers and industry representatives will lead discussion on relevant design issues.

DESN911 Studies in Process and Analysis - Graphic Design

Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students will develop a design concept based on relevant research, technical issues and design process. The concept will demonstrate research and critical analysis of the issues involved in producing a creative design work and may refer to examples of similar work by recognised designers or design movements. Students will be expected to work independently and at an advanced level and consult with their Subject Co-ordinator at specified benchmark times in the development of their work.

DESN913 Major Presentation - Graphic Design

Annual	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: Students will develop a substantial portfolio presentation that demonstrates original thinking, knowledge of the design area, and technical and production abilities that are required to produce a major piece of design work in a sustained thematic and cohesive way. As an example of content, graphic designers would submit 10 graphic design works; interactive designers would produce a major interactive web site or multimedia piece, or several smaller sites or multimedia works. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

DESN923 Major Presentation - Graphic Design*

Annual	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with DESN913

Subject Description: Students will develop a substantial portfolio presentation that demonstrates original thinking, knowledge of the design area, and technical and production abilities that are required to produce a major piece of design work in a sustained thematic and cohesive way. As an example of content, graphic designers would submit 10 graphic design works; interactive designers would produce a major interactive web site or multimedia piece, or several smaller sites or multimedia works. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

DESN960 Graphic Design Theory and Industry Research Methodologies*

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with DESN910
Subject Description: This subject explores key aspects of contemporary graphic design theory and practice in both national and transnational contexts. It allows students to develop their own research within specific theoretical frameworks and with knowledge of historical design movements. The subject overviews production processes and emerging technologies of visual communications at both an individual and industrial level. As opportunity permits, guest designers and industry representatives will lead discussion on relevant design issues.

DESN961 Studies in Process and Analysis - Graphic Design*

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with DESN911
Subject Description: Students will develop a design concept based on relevant research, technical issues and design process. The concept will demonstrate research and critical analysis of the issues involved in producing a creative design work and may refer to examples of similar work by recognised designers or design movements. Students will be expected to work independently and at an advanced level and consult with their Subject Co-ordinator at specified benchmark times in the development of their work.

DESN991 New Media Theory*

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with DESN321
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

DESN992 Advanced Graphic Design Theory*

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with DESN322
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.

JOUR992 Research Topics in Journalism

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide students enrolled in the Master of Arts-Research (Journalism) degree with training in the theories and research methodologies current in their chosen discipline areas. This training involves three modules of study: (1) a specific theory and methods module. 5,000 - 7,000 words, possibly one short and one long essay. Seminar participation if determined necessary, will also be assessed (2) an advanced content-based module in the student's discipline area requiring the completion of the contents of an existing subject and (3) a module in which the student writes a detailed research proposal for the thesis covering: - an annotated bibliography 40% - the development of the thesis question and rationale for chapter divisions, involving exposition of thesis argument 40% and - an oral presentation of the thesis proposal 20% The precise content of these modules will be determined on a case by case basis, with the student and the supervisor. It will be approved by the Program Coordinator.

JRNL910 Journalism and Society

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This is one of the core subjects undertaken in the postgraduate Journalism program. Its purpose is to explain the relationship between theory and practice. While some critics may question whether a theory of journalism exists, or is even necessary, Journalism academics will argue that the practice of journalism is underpinned by a strong theoretical tradition that draws from a range of other disciplines. The subject begins by posing a number of questions: What is journalism? What is it that journalists actually do? It then moves on to discuss a number of questions about news practices. These include topics

like 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

JRNL911 News Writing Fundamentals

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR901
Subject Description: This foundation subject develops basic skills in straight news reporting for print news. Attention will be given to objective and subjective aspects of news interviewing, structuring and writing. News story areas covered will include writing hard news, court reporting, writing for police rounds as well as colour stories, human interest stories and writing news stories for the arts. Students will apply news writing techniques to news feature writing and explore some of the issues and stylistic devices that inform longer news related features and news packages. Attention will be paid to interviewing and information gathering techniques and the application of conventional news values to reporting.

JRNL912 Legal and Ethical Issues

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR903
Subject Description: This subject examines the legal and ethical framework which governs the work of journalists. It considers the nature, efficacy and administration of 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. Other 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, fairness and subjectivity in journalism.

JRNL913 Introduction to Convergent Journalism

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to notions of convergent journalism. Students begin by exploring changes in journalism inspired by the development of the internet and other technologies. They will be introduced to the theories and practices of digital media. They will be introduced to photojournalism and simple audio techniques suitable for the production of online audiovisual packages. Other lectures cover a range of topics, including building a blog and podcasting. Students will develop and maintain a blog, learn to podcast and, using a combination of text and images, develop their own web-based publication.

JRNL914 Professional Writing (1) - Writing for Organisations

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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 organisations. 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.

JRNL915 Professional Writing (2) - Desktop Publishing and Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

JRNL916 Journalism Investigation and Research

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR933 On-Line and Research Journalism
Subject Description: This subject is designed to develop a range of research and journalism investigative methods. It will include the use of online data bases, the Internet, library and archive work and other sources of public information. The use of survey material in journalism will be studied, particularly the presentation of this data in a news format. The organisation of news investigation teams, the techniques that they use, and what they produce will be analysed. Part of the subject will be devoted to news design and presentation on the World Wide Web.

JRNL917 Feature Writing for Journalists

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR902
Subject Description: This subject focuses on extending news stories into feature writing, 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; and developing concepts. Different feature forms such as profiles, news features, historical features, reviews and opinion essays will be covered.

JRNL918 Radio Journalism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR931
Subject Description: This subject provides advanced skills in interviewing for radio, script writing, editing, producing and presenting radio news and current affairs reports. It will explore the preparation and production of short radio features, as well as the characteristics of the medium in contemporary broadcasting. The course has a strong practical component.

JRNL919 Television Journalism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR932
Subject Description: This subject provides advanced skills in script writing, editing, producing and presenting television news or current affairs programs. A primary emphasis will be placed on techniques for gathering television news materials in the field.

JRNL920 Journalism Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR945 Advanced Journalism Project
Subject Description: This subject provides a shorter alternative project for final session students not wanting to undertake the major project, or electing to do additional course work, or wanting to develop vocational skills acquired in previous subjects. Project areas available include: news design and presentation on the World Wide Web; print media production; electronic news gathering and production; multimedia production or a short film or radio piece in the documentary and current affairs mode. Alternatively students wanting to cover broader aspects of news gathering and presentation can do so, in the following areas: environment; science and technology; public affairs; arts; lifestyle and leisure; economics and business; religion; and sports. Concepts and skills can focus on print production or the electronic journalistic genre.

JRNL921 Advanced Journalism Project

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR991 Major Journalism Project
Subject Description: This subject is designed to allow students the opportunity to undertake either practical or theoretical projects (or a combination of the two). This could include an internship, a mini thesis, or a combination of mini thesis and creative/practical project. Students undertaking this subject may work within a single medium (print, broadcast or online) or a combination of media. The subject also enables students to explore cross-program or cross-faculty options. The project brief will be formulated in consultation with an academic member of staff who has agreed to act as supervisor.

JRNL922 Major Journalism Project

Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR991
Subject Description: This subject enables students to undertake higher level research and/or practical work under the supervision of an academic member of staff. The project could include a thesis or a major practical project. It could also involve a combination of thesis and internship, thesis and practical work, or internship and practical work. Students are expected to work at a very high level. Such students would be highly motivated and capable of working in a self-directed manner.

JRNL923 Advanced Convergent Journalism

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject students will build on 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-visual packages using commercial software programs, 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.

JRNL925 International Journalism

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: JOUR922 Multicultural and International Journalism
Subject Description: This subject focuses on international news flow in the context of the New World Information Order debates in the early 70s and news flow in the context of Internet communication; culture, values and ideology in international news production (discussions derived mainly from Australian reporting of Asia); media systems in selected Asia-Pacific countries; and renewed interest in community development oriented journalism. International journalism provides an historical, cultural and social background for students wanting to work in Australia's growing multicultural media.

MUS 910 Music Analysis

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores contemporary compositional practice and theory,

within a program of directed and independent reading and analysis. With an emphasis on understanding the student's own creative practice, the subject encourages the development of individual research strengths. Both textual and compositional research strategies are emphasised in presentation and writing.

MUS 914 Major Presentation - Music Composition

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: Students will undertake a program of study leading to the development of a major compositional project or portfolio, the substance and duration of which will be determined in consultation with the student's supervisor/s. The Major Presentation will reflect a student's ability to develop, sustain and execute original ideas, supported by excellence in technical ability. The Major Presentation must be accompanied by an analytical commentary of at least 2,000 words including appropriate citation. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

MUS 915 Studies in Composition Technique

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an overview of the contemporary processes and technical concerns employed in the development of original music composition. It emphasises an analysis of the processes, experimentation, technologies and themes of compositional work by individual composers, as well as the performance, production and distribution of contemporary music in relation to emerging technologies. Students will create a folio of short works in genres determined in consultation with their Subject Coordinator. Each student will document the research processes undertaken in the making of his or her creative work. Students will be expected to work at an advanced level and with a high degree of independence.

THEA910 Theatre Analysis

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores contemporary theatre and performance practice and theory within a program of directed and independent reading and analysis. Through an emphasis on the place of theatre and performance in contemporary culture this subject seeks to encourage students to develop individual research strengths and to understand how their individual creative practice might be positioned within the broader cultural landscape.

THEA911 Advanced Techniques in Theatre

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students will prepare to undertake a written exegesis around their creative work. Each student will document their research process through a reflective journal, as well as developing drafts and visual materials as appropriate and an annotated bibliography. Students will be expected to work at an advanced level and with a high degree of independence.

THEA913 Major Presentation - Theatre

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: Students will undertake a practical presentation of their creative work in theatre and/or performance. All aspects of the presentation including content and duration will be determined with the approval of the supervisor. The creative work should reflect the student's ability to develop, sustain and execute original ideas in a cohesive and capable way. It must be accompanied by a 2,500-word exegesis, describing and analysing the processes undertaken. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

VISA903 Advanced Visual Arts Studio E*

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with VISA303
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.

VISA904 Advanced Visual Arts Studio F*

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with VISA304
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.

VISA910 Visual Arts Theory

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores contemporary arts practice and theory in both national and transnational contexts. With an emphasis on placing the self within a specific culture and history, the subject encourages the development of individual research strengths. It refers to historical art and craft movements through current theoretical frameworks. Both textual and visual research strategies are emphasised in presentation and writing.

VISA911 Studies in Process and Analysis - Visual Arts

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject overviews production processes and technical concerns of art in contemporary practice. It emphasises an analysis of the processes, experimentation, materiality and content of visual work by individual artists, and the presentation and installation of artwork in relation to emerging technologies. Each student will document the research processes in the making of his or her creative work in a visual journal. Students will be expected to work at an advanced level and with a high degree of independence in their chosen studio discipline.

VISA913 Major Presentation - Visual Arts

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: Students will present a substantial exhibition of work that reflects technical skill, knowledge and use of materials, and an ability to develop, sustain and execute original ideas in a cohesive and thematic way. As an example of content, painters should submit at least eight major pieces plus drawings and supporting material of exhibition standard. Equivalent amounts of work will be expected of students working in other areas of the visual arts. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

VISA921 Introduction to Indigenous Art and Visual Culture*

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with VISA321
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.

VISA922 Representation and Space in Post Colonial World*

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with VISA322
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.

VISA923 Major Presentation - Visual Arts*

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with VISA913
Subject Description: Students will present a substantial exhibition of work that reflects technical skill, knowledge and use of materials, and an ability to develop, sustain and execute original ideas in a cohesive and thematic way. As an example of content, painters should submit at least eight major pieces plus drawings and supporting material of exhibition standard. Equivalent amounts of work will be expected of students working in other areas of the visual arts. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

VISA960 Visual Arts Theory*

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with VISA910
Subject Description: This subject explores contemporary arts practice and theory in both national and transnational contexts. With an emphasis on placing the self within a specific culture and history, the subject encourages the development of individual research strengths. It refers to historical art and craft movements through current theoretical frameworks. Both textual and visual research strategies are emphasised in presentation and writing.

VISA961 Studies in Process and Analysis - Visual Arts*

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with VISA911
Subject Description: This subject overviews

production processes and technical concerns of art in contemporary practice. It emphasises an analysis of the processes, experimentation, materiality and content of visual work by individual artists, and the presentation and installation of artwork in relation to emerging technologies. Each student will document the research processes in the making of his or her creative work in a visual journal. Students will be expected to work at an advanced level and with a high degree of independence in their chosen studio discipline.

WRIT910 Analysis of Texts

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: In fortnightly seminars students will undertake a detailed study of relevant texts in their area of specialisation, in poetry, prose fiction or script writing. The subject aims to develop and refine the ability to trace in detail the relationship between the effects gained by a text and the techniques of writing used to achieve them. This subject aims to provide a forum for discussions and debates about the significant writing techniques used in major texts by established writers in order to inform, challenge and enrich the student's own creative practice. Issues on voice, style, use of image, structure and theme will be the major concerns.

WRIT911 Literary Composition

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: At a series of seminars throughout the session students will be required to develop and refine their awareness of the techniques and processes of literary composition and to demonstrate their control of these through the composition of a major piece of writing in a mode, genre and/or voice outside of their usual practice. Students will be required to discuss the effects they are seeking in their writing and to describe and evaluate the techniques they have employed to achieve those effects. Students will also be expected to respond to their peers' writing projects in a constructive manner.

WRIT913 Major Presentation - Creative Writing

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: Students will present either a work of prose fiction (minimum 25,000 words); or a collection of poetry (48 pages); or a 60 minute theatre/ film/television script. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.
* only available to students enrolled in the MCA Studio Practice.

Faculty of Education

Courses Offered

Research Degrees

Doctor of Philosophy
Doctor of Education
Master of Arts - Research
Master of Education - Research

Coursework Degrees

Master of Arts (Information Technology in Education and Training)
Master of Education
Master of Physical and Health Education
Graduate Diploma in Adult Education
Graduate Diploma in Higher Education
Graduate Diploma in Vocational Education and Training
Graduate Diploma in Education Primary
Graduate Diploma in Education Conversion Primary
Graduate Diploma in Education Secondary
Graduate Diploma in Education Conversion Secondary
Graduate Diploma in TESOL
Graduate Certificate in Adult Education
Graduate Certificate in Computer Based Learning
Graduate Certificate in Early Years Education
Graduate Certificate in Educational Leadership
Graduate Certificate in Gifted Education
Graduate Certificate in Higher Education
Graduate Certificate in Interdisciplinary Studies in Education
Graduate Certificate in Literacy
Graduate Certificate in Outdoor Education
Graduate Certificate in Physical and Health Education
Graduate Certificate in Special Education
Graduate Certificate in TESOL
Graduate Certificate in Vocational Education and Training

For tuition fee information please see the following:
Domestic - www.uow.edu.au/student/finances/UOW008171
International - www.uow.edu.au/student/finances/UOW008306

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Education
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Starting Session(s):	Autumn/Spring
UOW Course Code:	201
CRICOS Code:	001246C

Overview

The Doctor of Philosophy provides the opportunity for students to pursue in-depth research in a range of areas associated with those undertaken by the Research Units within the Faculty of Education. PhD candidates are encouraged to become involved in research group activities and the wider research culture of the faculty.

Entry Requirements

Entry to this degree is available to candidates who meet the University entry requirements for Doctor of Philosophy (PhD) candidature. In the first instance this requires the completion of a Bachelors degree with Honours Class II or higher in an appropriate area, or an equivalent qualification with an appropriate research component.

Interested candidates should contact the Director of Postgraduate Research to discuss their area of research and supervision.

Course Requirements

Candidates for this degree enrol in a Doctoral Thesis (THES912/924). They may also be asked to audit or enrol in research preparation subjects (e.g. EDGZ930, 931, 932). See subject descriptions for further information. All new students enrolling in a research degree are expected to prepare a research proposal within the first year of their candidature and to become involved in activities such as student colloquia.

Doctor of Education

Testamur Title of Degree:	Doctor of Education
Abbreviation:	EdD
Home Faculty:	Education
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Flexible
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	205
CRICOS Code:	016127J

Overview

The Doctorate of Education (EdD) is a program to prepare professional leaders in Education. It is a doctoral level program completed by a combination of coursework and thesis, offered in the areas of:

- Adult Education/Vocational Education and Training/Higher Education
- Educational Leadership
- Information Technology in Education and Training
- Literacy Education
- Physical and Health Education
- Special Education (including Gifted Education)
- Teaching English to Speakers of Other Languages (TESOL, including TEFL)

Entry Requirements

Entry to this degree is available to candidates who:

1. meet the University entry requirements for Doctoral candidature. Normally this would be an appropriate Masters degree, completed at credit (65%) level or better or the completion of a Bachelors degree with Honours Class II or higher in an appropriate area, or an equivalent qualification, and
2. have completed a minimum of three years of relevant professional experience.

Course Requirements

The program for the degree will require successful completion of:

1. 48 credit points of subjects including:

a) at least 24 credit points selected from subjects in the Faculty's graduate schedule, which will provide specific preparation for the thesis component of the degree; and

b) 24 credit points of research subjects to provide research preparation for the thesis component of the degree including

EDGZ930 Advanced Research methods in Education

EDGZ931 Research Proposal

EDGZ932 Advanced Research Seminar

2. 96 credit points as a supervised thesis (THES912/924), to be examined externally. This thesis will contribute to two thirds of the total assessment for this award.

Each candidate will be required to select a program of study in consultation with their supervisor(s) and the Associate Dean (Research and Graduate) to ensure that subjects chosen do not duplicate previous graduate work and form a coherent pattern of study.

Candidates will be required to pass all coursework subjects at the first attempt. The coursework component of the program must be completed with an average grade at not less than Credit (65%) level. Students who do not meet this requirement will have their doctoral candidature terminated.

Course Program

Subjects		Credit Points
THES912	Thesis-Part-time, or	96 in total
THES924	Thesis-Full-time	96 in total
Plus subjects chosen from the lists below, as detailed above, totalling 48 cp		
Adult Education /Vocational Education & Training/Higher Education		
EDGH951	Global Issues and Trends in Adult Education/Higher Education and VET	8
EDGH952	Learning about Learning in Adult Education/Higher Education and VET	8
EDGH953	Design and Use of New Technologies in Adult Education/Higher Education and VET	8
EDGH954	Leading and Managing in Adult Education/Higher Education and VET	8
EDGH955	Continuing Professional Development in Adult Education/Higher Education and VET	8
EDGH956	Innovation in Adult Education/Higher Education and VET	8
EDGH957	Multiliteracies and Numeracies in Adult Education/Higher Education and VET	8
Educational Leadership		
EDGL901	Foundations of Educational Leadership	6
EDGL903	Introduction to Educational Management*	6
EDGL909	Leadership of Effective Change	6
EDGL917	Leadership in Quality Learning and Teaching	6
EDGL919	Mentoring Beginning Teachers	6
EDGL920	Leading, Developing & Managing People	6
EDGL922	Law for Educational Leaders	6
EDGL930	Work Motivation in Educational Leadership	6
EDGL931	Organisational Behaviour in Education	6
EDGL933	Organisation Theory for Educational Leaders	6
* Compulsory subjects for students wishing to complete a major study in Educational Leadership		
Information Technology in Education & Training		
EDGE900	Introduction to Technology in Education	8
EDGE901	Emerging Issues in Educational Technology	8
EDGE902	Instructional Strategies and Design	8
EDGE903	Multimedia and Interface Design	8
EDGE904	On-line Learning and Teaching	8
EDGE905	Evaluation of Technology-Based Learning	8
Literacy		
EDGR911	Teaching Reading*	8
EDGR912	Teaching Writing*	8
EDGA971	Assessment and evaluation of language and literacy	8
EDGA987	Children's literature	8
*Compulsory subjects for students wishing to complete a major in Literacy		
EDGT976	Text and Context	6
Physical & Health Education		
EDGP910	Theory and Practice of Outdoor Education	6
EDGP911	Project for EDGP910	2
EDGP912	Facilitation Techniques in Outdoor Education	6
EDGP913	Project for EDGP912	2
EDGP924	Young People and Health	6
EDGP930	Theoretical and Practical Bases of Coach Education	6
EDGP931	Project for EDGP930	2

EDGP934	Cultural politics of sport, leisure and physical education	6
EDGP935	Leadership and Management in Physical Education, Sport and Recreation	6
EDGP990	Practicum in a Learning Environment	6
EDGP991	Project for EDGP990	2
Special Education		
EDGX901	Psychology for Educators	6
EDGS901	Introduction to Inclusive Education: Strategies, Policies and Legislation	6
EDGS902	Assessment and Instruction of Students with Learning Difficulties	6
EDGS903	Technologies for Students with Special Needs	6
EDGS904	Effective Partnerships for Special Education Professionals	6
EDGS912	Contemporary Perspectives in the Education of Children with Diverse Needs	6
EDGS914	Assessment and Instruction of Individuals with Moderate to Severe Needs	6
EDGS916	Models of Behaviour Management	6
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS920	Language and Communication Difficulties: Theory and Practice	6
EDGS922	Teaching Gifted Children	6
EDGS924	Giftedness in Special Populations	6
⋆Compulsory subject for major in Special Education.		
Teaching English to Speakers of Other Languages (TESOL)		
EDGT917	English Language: Learners Problems	6
EDGT931	Teaching Speaking and Listening	6
EDGT932	Second Language Literacy	6
EDGT934	Teaching Pronunciation and Prosody	6
EDGT935	Teaching English in International Contexts	6
EDGT936	Management, Policy and Curriculum in TESOL	6
EDGT940	Materials and Technology in Second Language Teaching	6
EDGT976	Text and Context	6
EDGT983	Assessment in TESOL	6
EDGT984	Theories of Second Language Learning	6
EDGT985	English in Specific Contexts	6
Interdisciplinary Studies in Education		
ESGX901	Psychology for Educators	6
EDGX902	Educational Sociology: Culture, Society and Education	6
EDGX910	Researching Children	6
EDGA917	International and Intercultural Perspectives	8
Research Methodology & Project Subjects (as required)		
EDGZ903	Minor Project in Education	8
EDGZ906	Minor Project in Education	6
EDGZ912	Special Research Topic	8
EDGZ930	Advanced Research Methods in Education⋆	8
EDGZ931	Research Proposal⋆	8
EDGZ932	Advanced Research Seminar⋆	8
EDGZ965	Vgotskian Studies in Education	4

⋆ Compulsory subjects in EdD

Master of Arts - Research

Testamur Title of Degree:	Master of Arts - Research
Abbreviation:	MA-Res
Home Faculty:	Education
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Flexible)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1344
CRICOS Code:	042938B

Overview

The Master of Arts – Research is a specialised research degree for students who are not professionally qualified educators but who wish to pursue research careers in education.

Entry Requirements

Entry is available to candidates with a Bachelors Honours degree; a Masters degree by coursework or a Bachelors degree by coursework (or equivalent) where a Distinction average has been maintained, or a Bachelors degree by coursework including additional research experience deemed appropriate by the Faculty of Education.

Course Requirements

The degree program will comprise up to 72 credit points of study including:

a) 24 credit points of research subjects, which will provide research preparation for the thesis component of the degree, including

(i) EDGZ930 Advanced Research Methods in Education

(ii) EDGZ931 Research proposal

(iii) EDGZ932 Advanced Research Seminar

b) 48 credit points as a supervised thesis (THES912/924), to be examined externally.

Candidates will be required to pass all coursework subjects at the first attempt. Students who do not meet this requirement will have their candidature terminated.

Course Program

Subjects		Credit Points
EDGZ930	Advanced Research Methods in Education	8
EDGZ931	Research Proposal	8
EDGZ932	Advanced Research Seminar	8
THES912	Research Thesis part-time	48 total
	Or	
THES924	Research Thesis full-time	48 total

Master of Education - Research

Testamur Title of Degree:	Master of Education - Research
Abbreviation	MEd-Research
Home Faculty:	Education
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Flexible), Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1306, D1306
CRICOS Code:	042629D

Overview

The Master of Education - Research is a specialised research degree for students who either wish to pursue research careers in education or whose future career will require them to interpret and apply the findings of educational research.

Entry Requirements

Entry is available to candidates with a Bachelors Honours degree with a major in Education; a Masters degree by coursework in Education, or a Bachelors degree by coursework majoring in Education (or equivalent) where a Distinction average has been maintained, or a Bachelors (degree) by coursework majoring in Education including additional research experience deemed appropriate by the Faculty of Education. It is expected that the candidate would have prior knowledge in an introductory research methods through a Bachelor or Masters degree program.

Course Requirements

The degree program comprises:

a) 24 credit points of research subjects which will provide research preparation for the thesis component of the degree, including

(i) EDGZ930 Advanced Research Methods in Education

(ii) EDGZ931 Research Proposal

(iii) EDGZ932 Advanced Research Seminar

b) a supervised thesis to the value of 48 credit points (THES912/924), to be examined externally.

Candidates will be required to pass all coursework subjects at the first attempt. Students who do not meet this requirement will have their candidature terminated.

Course Program

Subjects		Credit Points
EDGZ930	Advanced Research Methods in Education	8
EDGZ931	Research Proposal	8
EDGZ932	Advanced Research Seminar	8
THES912	Research Thesis-Part time	48 total
	or	
THES924	Research Thesis-Full time	48 total

Master of Arts (Information Technology in Education and Training)

Testamur Title of Degree:	Master of Arts (Information Technology in Education and Training)
Abbreviation:	MA (IT in Ed)
Home Faculty:	Education
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	On line
Starting Session(s):	Autumn, Spring
Location:	Distance
UOW Course Code:	DE571
CRICOS Code:	N/A

Overview

The Master of Arts specialising in Information Technology in Education and Training is aimed at those who wish to develop their knowledge and skills in the use of technology to support teaching and learning in a range of training and educational contexts. It is a professional development program which introduces and expands on topics of instructional design for technology based learning; development of multimedia education programs; online learning; evaluating technology-based learning, cognition and interface design, and emerging issues in educational technology.

This course differs from the MEd program in that no formal teaching qualification is required for entry.

Entry Requirements

Students should hold a recognised Bachelors degree and have access to a training or educational context in which to undertake course projects, but do not need a formal teaching qualification. Candidates with a formal teaching qualification should consider applying for the Master of Education program.

Course Requirements

Subjects are chosen from those listed in the Information Technology specialisation listed under the Master of Education Program.

Course Program

48cp of subjects, chosen from the IT specialisation, in consultation with the specialisation co-ordinator.

Master of Education

Testamur Title of Degree:	Master of Education
Abbreviation:	MEd
Home Faculty:	Education
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	576, DE576
CRICOS Code:	000289M

Overview

The Master of Education is a higher degree for teachers and educators wishing to pursue advanced studies in their area of interest. Many subjects require the application of research and theoretical insights into actual practice, and it is desirable that students have some full-time workplace/teaching experience

Entry Requirements

The degree is subject to the University's rules for the award of the degree of Master together with the following guidelines:

To qualify for admission into the Master of Education, a student must have qualified for a Bachelor degree of the University, or an equivalent qualification from an approved institution, with a major study in Education, eg. BA plus GDipEd, provided that the degree or equivalent qualification has a minimum study duration of four years. Other qualifications or substantial professional experience may be considered as meeting these requirements and should be discussed with the Director – Graduate Teaching. Candidates with a three-year qualification in Education completed at Distinction level may be considered for admission to the MEd program.

A candidate may not include in this degree program any subject which the candidate has previously taken and had credited towards a qualification accepted for admission under Section 1 of these requirements.

Course Requirements

The MEd program will normally comprise 48 credit points of study, chosen as follows.

a. EDGZ921 Introduction to Research and Inquiry (6 credit points) or equivalent. It is recommended that this subject be completed early in the program of study; and,
b. at least 24 credit points from a single program (major study). The core of subjects to be covered to complete a major study will vary from program to program; and
c. up to 18 credit points of electives chosen from any Program. The amount of choice available will vary from program to program. Students wishing to proceed directly to MEd (Research) or Doctoral programs should include Advanced Research Methodology and project subjects in their Program, chosen in consultation with their Program coordinator.

Students might need to discuss their proposed course of study with the relevant Program Coordinator. Teaching accreditation in specialist areas may depend on subject choice.

Credit Transfer

The Faculty of Education may approve up to 12 credit points of credit in the Master of Education to currently enrolled candidates who have completed other accredited professional development courses run by employing bodies. For further information contact the Faculty, or check the Faculty of Education website, under Postgraduate Programs.

Major study requirements must still be met by the candidate, ie., normally this credit cannot be substituted for a compulsory subject within a program, or form part of a major study within a program. Candidates may claim a maximum of 12 credit points of credit on this basis in one program of study.

Course Program

Subjects		Credit Points
Adult Education/Vocational Education & Training/Higher Education		
EDGH951	Global Issues and Trends in Adult Education/Higher Education and VET	8
EDGH952	Learning about Learning in Adult Education/Higher Education and VET	8
EDGH953	Design and Use of New Technologies in Adult Education/Higher Education and VET	8
EDGH954	Leading and Managing in Adult Education/Higher Education and VET	8
EDGH955	Continuing Professional Development in Adult Education/Higher Education and VET	8
EDGH956	Innovation in Adult Education/Higher Education and VET	8
EDGH957	Multiliteracies and Numeracies in Adult Education/Higher Education and VET	8
Educational Leadership		
EDGL901	Foundations of Educational Leadership★	6
EDGL903	Introduction to Educational Management★	6
EDGL909	Leadership of Effective Change	6
EDGL911	Leadership of Curriculum and Instruction	6
EDGL917	Leadership in Quality Learning and Teaching	6
EDGL919	Mentoring Beginning Teachers	6
EDGL920	Leading, Developing & Managing People	6
EDGL922	Law for Educational Leaders	6
EDGL930	Work Motivation in Educational Leadership	6
EDGL931	Organisational Behaviour in Education	6
EDGL933	Organisation Theory for Educational Leaders	6
EDGL940	Evidence-Based Learning	6

★ Compulsory subjects for a major study in Educational Leadership

As Educational Leadership subjects require the application of research and theoretical insights into actual practice, it is desirable that students have some full-time workplace/teaching experience.

Information Technology in Education & Training		
EDGE900	Introduction to Technology in Education★	8
EDGE901	Emerging Issues in Educational Technology	8
EDGE902	Instructional Strategies and Design	8
EDGE903	Multimedia and Interface Design	8
EDGE904	Online Learning and Teaching	8
EDGE905	Evaluation of Technology-Based Learning	8

★Compulsory subjects for a major study in Information Technology.

Literacy

EDGA971	Assessment and Evaluation of Language and Literacy	8
EDGA987	Children's Literature	8
EDGR911	Teaching Reading★	8
EDGR912	Teaching Writing★	8

★Compulsory subjects for a major study in Literacy.

Special Education

EDGX901	Psychology for Educators	6
EDGS901	Introduction to Inclusive Education: Strategies, Policies and Legislation	6
EDGS902	Assessment and Instruction of Students with Learning Difficulties	6
EDGS903	Technologies for Students with Special Needs	6
EDGS904	Effective Partnerships for Special Education Professionals	6
EDGS912	Contemporary Perspectives in the Education of Children with Diverse Needs	6
EDGS914	Assessment and Instruction of Individuals with High Support Needs	6
EDGS916	Models of Behaviour Management	6
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS920	Language and Communication Difficulties: Theory and Practice	6
EDGS922	Teaching Gifted Children	6
EDGS924	Giftedness in Special Populations	6

Teaching English to Speakers of Other Languages (TESOL)

EDGT917	English Language: Learners Problems	6
EDGT931	Teaching Speaking and Listening	6
EDGT932	Second Language Literacy	6
EDGT934	Teaching Pronunciation and Prosody	6
EDGT935	Teaching English in International Contexts (Distance students only)	6
EDGT936	Management, Policy and Curriculum in TESOL (Distance students only)	6
EDGT940	Materials and Technology in Second Language Teaching	6
EDGT976	Text and Context	6
EDGT983	Assessment in TESOL	6
EDGT984	Theories of Second Language Learning ★	6
EDGT985	English in Specific Contexts	6

★ Compulsory subject for a major study in TESOL

Interdisciplinary Specialisation

These subjects may form a major study, and are also available to students from any major area of study as elective subjects to complement the major area of study.

EDGX901	Psychology for Educators	6
EDGX902	Educational Sociology: Culture, Society and Education	6
EDGX910	Researching Children	6
EDGX917	International and Intercultural Perspectives	6

Additional subjects for this specialisation may be drawn from other specialisations but must be approved by the Director of Graduate Teaching.

Research Methodology & Project Subjects

Subjects in this group do not constitute a separate area of major study, but provide the various methodology and project subjects which are required for completion of the MEd and higher degrees as explained in the Patterns of Study section for the relevant degree.

EDGZ903	Minor Project in Education	8
EDGZ906	Minor Project	6
EDGZ912	Special Research Topic	8
EDGZ920	Research Project Report	2
EDGZ921	Introduction to Research and Inquiry★	6
EDGZ926	Professional Project	12
EDGZ965	Vygotskian Studies in Education	4

★ Compulsory subject in all MEd programs.

Master of Physical and Health Education

Testamur Title of Degree:	Master of Physical and Health Education
Abbreviation:	MPHEd
Home Faculty:	Education
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	Distance, On Campus (Online Delivery)
Starting Session(s):	Autumn or Spring
Location:	Distance, Wollongong
UOW Course Code:	1576
CRICOS Code:	054116G

Overview

The Master of Physical and Health Education is for practitioners in sport, recreation and physical and health education related fields, to upgrade their qualifications and stay abreast of developments in their fields. Continuing students wishing to discuss their progression in the program should contact the PHE Program co-ordinator.

Entry Requirements

Students will have a four year undergraduate degree with a recognized teaching credential in Physical and Health Education. Special consideration may be given to students who have, for example, substantial experience in the field.

Course Requirements

Core Subjects		Credit Points
EDGZ921	Introduction to Research and Inquiry	6
Plus 24 cp chosen from the following list:		
EDGP934	Cultural Politics of Sport, Leisure and Physical Education	6
EDGP935	Leadership and Management in Physical Education, Sport and Recreation	6
EDGP930	Theoretical and Practical Bases of Coach Education	6
EDGP931	Project for EDGP930	2
EDGP990	Practicum in a Learning Environment	6
EDGP991	Project for EDGP990	2
EDGP924	Young People and Health	6
EDGE900	Introduction to Technology in Education	8
EDGE902	Instructional Strategies and Design	8
EDGZ906	Minor Project	6
	or	
EDGZ903	Minor Project	8
Elective subjects		

The remainder of the 48cp program can be chosen from the list above, or from specialisations such as, Educational Leadership, Special Education or Information Technology specialisations, in consultation with the Physical and Health Education Co-ordinator.

Graduate Diploma in Adult Education

Testamur Title of Degree:	Graduate Diploma in Adult Education
Abbreviation:	GDipAdultEd
Home Faculty:	Education
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face with online support) and Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	677

Graduate Diploma in Higher Education

Testamur Title of Degree:	Graduate Diploma in Higher Education*
Abbreviation:	GDipHigherEd
Home Faculty:	Education
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face with online support) and Distance
Starting Session(s):	Not available 2010
Location:	Wollongong
UOW Course Code:	678

Graduate Diploma in Vocational Education and Training

Testamur Title of Degree:	Graduate Diploma in Vocational Education and Training
Abbreviation:	GDipVET
Home Faculty:	Education
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face with online support) and Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	679

Overview

*Please note this course is currently under review and there may be changes for students commencing from Spring Session 2009. Please contact the Faculty for further information.

The Adult Education and Training postgraduate specialisation has been developed to respond to an emerging market in adult, vocational training and higher education and the need to respond to initiatives in education and training around online learning and flexible delivery. The program will capitalise on an environment of innovation and change in:

- Higher Education
- TAFE and VET in Schools programs
- Health and Community Services
- Military, police and security services
- Corrective services

The courses provide opportunity for students, who are most often mid-career professionals, to develop work-based projects to sustain innovation and change in their own organizations in their post graduate courses.

The GDipVET meets the Australian Qualifications framework requirements for promotional positions in the TAFE sector.

The program will incorporate a learning framework and a modular structure that provides opportunities for:

- Flexible entry and exit
- Customisation
- Multiple client groups to access the course in fee paying market

The program is offered in online mode and will have options for total online and mixed mode delivery depending on student and client needs.

Entry

Entry is available to graduates of this or another approved university who seek teaching qualifications in Adult Education/ VET. Consideration will be given to candidates who can demonstrate a combination of training qualifications , eg Certificate IV, and professional experience that are equivalent to a three year degree.

Course Program

Subjects		Credit Points
EDGH951	Global Issues and Trends in Adult Education/Higher Education and VET	8
EDGH952	Learning about Learning in Adult Education/Higher Education and VET	8
EDGH953	Design and Use of New Technologies in Adult Education/Higher Education and VET	8
EDGH954	Leading and Managing in Adult Education/Higher Education and VET	8
EDGH955	Continuing Professional Development in Adult Education/Higher Education and VET	8
EDGH956	Innovation in Adult Education/Higher Education and VET	8

Or other subjects selected in consultation with the Program Co-ordinator.

Graduate Diploma in Education Primary

Testamur Title of Degree:	Graduate Diploma in Education Primary
Abbreviation:	GDipEd
Home Faculty:	Education
Duration:	1 calendar year
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face with online support)
Starting Session(s):	GDE primary autumn (January)
Location:	Wollongong, Shoalhaven, Bega and Batemans Bay
UOW Course Code:	685, SH685, BE685, BB685
CRICOS Code:	063258G

Overview

The Graduate Diploma in Education Primary provides a professional course of pre-service education for intending primary school teachers. The structure of the program seeks to combine the practical and theoretical elements of teaching by engaging students in professional aspects, including methods (Key Learning Areas-KLA) and classroom practice, from the beginning of the course. Underpinning and integrated within the professional aspects are curriculum studies and the "foundation" disciplines of education. Each component is intended to contribute to the development of concepts and skills relating to an understanding of, and competence in, teaching. It is expected that prospective teachers will develop as autonomous professionals who will be competent, innovative, and capable of contributing to the formulation of curriculum in schools and committed to their own continuous professional growth.

The course is a 72 credit point program accelerated into one extended calendar year, commencing mid January and concluding late November. It is not possible to commence the course in the middle of the year and part time study is only offered at the satellite campuses.

The GDipEd program involves lectures, seminars, tutorials, individual assignments, group exercises and eleven weeks of full-time professional experience in schools.

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.

Entry Requirements

Entry is available to graduates of this or another approved university who seek teacher qualifications. Entry to the course is based on academic merit and suitability of the first degree to teaching requirements. Preference will be given to graduates of the University of Wollongong. A statement of interests and experience in Education will be requested from applicants and will be considered as part of the selection process.

Students are also advised to check with the Faculty through the Faculty's Student Service Centre (Building 23, Room G21) regarding the combinations of undergraduate subjects which will satisfy the requirements of the NSW Department of Education. A Formal Assessment letter from the Faculty of Education stating that the student's undergraduate program is acceptable to the NSW Institute of Teachers for recognition as a teacher of Primary is compulsory for each student in their application.

See the Graduate Diploma in Education link on the Faculty of Education Teacher Education Courses webpage for more information about the application process.

(www.uow.edu.au/educ/courses/graddiped)

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.

Course Requirements

Students must satisfactorily complete every subject and major component in their program of study before the Graduate Diploma in Education will be awarded. More specific details of assessment will be given in individual subject outlines.

Students are required to successfully complete all subjects relevant to their particular area of study.

A letter from the Faculty of Education stating that the student's undergraduate program is acceptable to the Department of Education and Training for employment as a teacher of Primary Education is compulsory for each student in their application.

Course Program

Subjects		Credit Points	Session
For students pursuing Primary School Methods: 72cp program as listed below			
EDGD800	Professional Experience	0	GDE Annual
EDGD801	Learning and Behaviour	6	GDE Autumn
EDGD802	Educational Sociology	6	GDE Spring
EDGD803	Literacy Across the Curriculum	6	GDE Autumn
EDGD804	Personal Development, Health and Physical Education	6	GDE Spring
EDGD806	Aboriginal Education	6	GDE Autumn
EDGD807	Learners with Special Needs	6	GDE Spring
EDGD808	Quality Teaching	6	GDE Autumn
EDGD810	English KLA	5	GDE Primary Autumn
EDGD811	Mathematics KLA	5	GDE Spring
EDGD812	Science and Technology KLA	5	GDE Autumn
EDGD813	Creative Arts KLA	5	GDE Spring
EDGD814	Human Society and Its Environment KLA	5	GDE Spring
EDGD815	Numeracy KLA	5	GDE Primary Autumn

Graduate Diploma in Education Conversion Primary

Testamur Title of Degree:	Graduate Diploma in Education Conversion Primary
Abbreviation:	GDipEdConv(Prim)
Home Faculty:	Education
Duration:	1 calendar year
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face with online support)
Starting Session(s):	GDE primary Autumn (January)
Location:	Wollongong, Shoalhaven, Bega and Batemans Bay
UOW Course Code:	688, SH688, BE688, BB688

Overview

The Graduate Diploma in Education Conversion Primary provides a conversion course for applicants with a recognised secondary teaching qualification who wish to retrain as Primary teachers. The conversion course meets the requirements of the NSW Institute of Teachers for retraining teachers.

The structure of the program seeks to combine the practical and theoretical elements of teaching by engaging students in professional aspects, including methods (Key Learning Areas-KLA) and classroom practice, and a supervised Professional Experience.

The course is a 48 credit point program taught over one extended calendar year, commencing mid January and concluding late November.

The GDipEd program involves lectures, seminars, tutorials, individual assignments, group exercises and a minimum of 23 days full-time professional experience in Primary schools.

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.

Entry Requirements

Entry is available to graduates of this or another approved university who have recognised existing 4-year qualifications in Secondary School teaching. Candidates must also have met the NSWIT subject content requirements for Primary school teaching in their undergraduate degree.

Entry to the course is based on academic merit and suitability of the first degree to teaching requirements in the Primary area. Applicants must have confirmation in writing from the NSW Department of Education as to exactly which areas must be completed for conversion.

Students are also advised to check with the Faculty through the Faculty's Student Service Centre (Building 23, Room G21) regarding the combinations of methods which will satisfy the requirements of the NSW Department of Education. A Formal Assessment letter from the Faculty of Education stating that the student's undergraduate program is acceptable to the NSW Institute of Teachers for recognition as a teacher of Primary, is compulsory for each student in their application.

See the Graduate Diploma in Education link on the Faculty of Education Teacher Education Courses webpage for more information about the application process.

(www.uow.edu.au/educ/courses/graddiped)

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, if they have not been appropriately screened for employment purposes.

Course Requirements

Students must satisfactorily complete every subject and major component in their program of study before the Graduate Diploma in Education Conversion (Primary) will be awarded. More specific details of assessment will be given in individual subject outlines.

Students are required to successfully complete all subjects relevant to their particular area of study.

A letter from the Faculty of Education stating that the student's undergraduate program is acceptable to the NSWIT for employment as a teacher of Primary Education is compulsory for each student in their application.

Course Program

Subjects		Credit Points	Session
For students pursuing Primary School Methods: 48cp program as listed below			
EDGD810	English KLA	5	GDE Primary Autumn
EDGD811	Mathematics KLA	5	GDE Primary Spring
EDGD812	Science and Technology KLA	5	GDE Autumn
EDGD813	Creative Arts KLA	5	GDE Spring
EDGD814	Human Society and Its Environment KLA	5	GDE Spring
EDGD815	Numeracy KLA	5	GDE Primary Autumn
EDGD803	Literacy Across the Curriculum	6	GDE Autumn
EDGD804	Personal Development, Health and Physical Education	6	GDE Spring
One of			
EDGC801	Professional Experience	6	GDE Autumn
EDGC802	Professional Experience	6	GDE Spring

Graduate Diploma in Education Secondary

Testamur Title of Degree:	Graduate Diploma in Education Secondary
Abbreviation:	GDipEd
Home Faculty:	Education
Duration:	1 year
Total Credit Points:	54
Delivery Mode:	On campus (Face-to-face with online support)
Starting Session(s):	GDE Autumn (February)
Location:	Wollongong,Shoalhaven, Batemans Bay, Bega
UOW Course Code:	686, SH686, BB686, BE686
CRICOS Code:	063259G

Overview

The Graduate Diploma in Education Secondary provides a professional course of pre-service education for intending secondary school teachers. The structure of the program seeks to combine the practical and theoretical elements of teaching by engaging students in professional aspects, including Methods work and classroom practice, from the beginning of the course. Underpinning and integrated with the professional aspects are curriculum studies and the "foundation" disciplines of education. Each component is intended to contribute to the development of concepts and skills relating to an understanding of, and competence in, teaching. It is expected that prospective teachers will develop as autonomous professionals who will be competent, innovative, and capable of contributing to the formulation of curriculum in schools and committed to their own continuous professional growth.

The course is for one year full-time at Wollongong campus, over an extended academic year of 36 teaching weeks from mid February to late November. Part-time study is only available at satellite campuses. The Methods areas offered each year will depend on the number of applications received in each area.

The GDipEd program involves lectures, seminars, tutorials, individual assignments, group exercises and eleven weeks of full-time professional experience in schools.

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.

Entry Requirements

Entry is available to graduates of this or another approved university who seek teacher qualifications. Entry to the course is based on academic merit and suitability of the first degree to teaching requirements. Preference will be given to graduates of the University of Wollongong. A statement of interests and experience in Education will be requested from applicants and will be considered as part of the selection process.

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.

Course Requirements

Students must satisfactorily complete every subject and major component in their program of study before the Graduate Diploma in Education will be awarded. More specific details of assessment will be given in individual subject outlines. Students are required to successfully complete Core and Methods subjects relevant to their particular area of study. The Method areas which are available may differ from year to year.

Secondary Methods currently offered are: Business Studies, Legal Studies, Geography, Modern History, English, Computing Studies, Drama, French, Mathematics, Science,Visual Art, Music, Physical and Health Education, Society and Culture. Students are advised to check with the Faculty regarding the availability of specific Methods subjects.

Students are also advised to check with the Faculty through the Faculty's Student Service Centre (Building 23, Room G21) regarding the combinations of methods which will satisfy the requirements of the NSW Department of Education. A Formal Assessment letter from the Faculty of Education stating that the student's undergraduate program is acceptable to the NSW Institute of Teachers for recognition as a teacher of the chosen methods area(s) is compulsory for each student in their application.

See the Graduate Diploma in Education link on the Faculty of Education Teacher Education Courses webpage for more information about the application process.

(www.uow.edu.au/educ/courses/graddiped)

Course Program

Subjects	Session	Session	Credit Points
For those students pursuing secondary school methods: 54cp Program, as below.			
EDGD800	Professional Experience	GDE Annual	0

EDGD801	Learning and Behaviour	GDE Autumn	6
EDGD802	Educational Sociology	GDE Spring	6
EDGD803	Literacy Across the Curriculum	GDE Autumn	6
EDGD804	Personal Development, Health and Physical Education (not PHE methods students)	GDE Spring	6
EDGD805	Professional Skills for PDHPE(PHE students only)	GDE Spring	6
EDGD806	Aboriginal Education	GDE Autumn	6
EDGD807	Learners with Special Needs	GDE Spring	6
EDGD808	Quality Teaching	GDE Autumn	6
Plus two Secondary Methods in an approved combination, chosen from the following list (6cp each)			
EDGD820	Science Method 1	GDE Annual	6
EDGD821	Science Method 2	GDE Annual	6
EDGD822	Mathematics Method 1	GDE Annual	6
EDGD823	Mathematics Method 2	GDE Annual	6
EDGD824	English Method	GDE Annual	6
EDGD825	History Method	GDE Annual	6
EDGD826	Geography Method	GDE Annual	6
EDGD827	Commerce and Business Studies Method	GDE Annual	6
EDGD828	Legal Studies Method	GDE Annual	6
EDGD829	Music Method 1	GDE Annual	6
EDGD830	Music Method 2	GDE Annual	6
EDGD831	Visual Arts Method 1	GDE Annual	6
EDGD832	Visual Arts Method 2	GDE Annual	6
EDGD833	Drama Method	GDE Annual	6
EDGD834	French Method	GDE Annual	6
EDGD835	Computer Studies Method 1	GDE Annual	6
EDGD836	Computer Studies Method 2	GDE Annual	6
EDGD837	Personal Development, Health and Physical Education Method 1	GDE Annual	6
EDGD838	Personal Development, Health and Physical Education Method 2	GDE Annual	6
EDGD840	Society and Culture Method	GDE Annual	6

Graduate Diploma in Education Conversion Secondary

Testamur Title of Degree:	Graduate Diploma in Education Conversion Secondary
Abbreviation:	GDipEdConv(Sec)
Home Faculty:	Education
Duration:	1 session
Total Credit Points:	18
Delivery Mode:	On campus (Face-to-face with online support)
Starting Session(s):	GDE Autumn
Location:	Wollongong,Shoalhaven, Batemans Bay, Bega
UOW Course Code:	689, SH689, BB689, BE689

Overview

The Graduate Diploma in Education Conversion Secondary provides a conversion course for students with an existing qualification in Primary teaching who wish to re-train as Secondary teachers. The course is for one year full-time, over an extended academic year of 36 teaching weeks from mid February to late November.

The GDipEd Conversion Secondary program involves lectures, seminars, tutorials, individual assignments, group exercises and a minimum of 23 days of full-time professional experience in Secondary schools.

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.

Entry Requirements

Entry is available to graduates of this or another approved university who have recognised existing 3 or 4-year qualifications in Primary School teaching. Candidates must have met the NSWIT subject content requirements for the appropriate Secondary teaching area in their undergraduate degree.

Entry to the course is based on academic merit and suitability of the first degree to teaching requirements in the appropriate Methods area. Applicants must have confirmation in writing from the NSW Department of Education as to exactly which areas must be completed for conversion.

Students are also advised to check with the Faculty through the Faculty's Student Service Centre (Building 23, Room G21) regarding the combinations of methods which will satisfy the requirements of the NSW Department of Education. A Formal Assessment letter from the Faculty of Education stating that the student's undergraduate program is acceptable to the NSW Institute of Teachers for recognition as a teacher of the chosen methods area(s) is compulsory for each student in their application.

See the Graduate Diploma in Education link on the Faculty of Education Teacher Education Courses webpage for more information about the application process.

www.uow.edu.au/educ/courses/graddiped

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, if they have not been appropriately screened for employment purposes.

Course Requirements

Students must satisfactorily complete every subject and major component in their program of study before the Graduate Diploma in Education Conversion Secondary will be awarded. More specific details of assessment will be given in individual subject outlines.

Students are required to successfully complete Methods subjects and Professional Experience relevant to their particular area of study, plus any other requirements as set out by the NSW Institute of Teachers. The Method areas which are available may differ from year to year.

Secondary Methods currently offered are: Commerce/Business Studies, Legal Studies, Geography, Modern History, English, Computing Studies, Drama, French, Mathematics, Science, Art, Music, Physical and Health Education, Society and Culture.

Students are advised to check with the Faculty regarding the availability of specific Methods subjects.

A letter from the Faculty of Education stating that the student's undergraduate program is acceptable to the NSWITfor recognition as a teacher of the chosen methods area(s) is compulsory for each student in their application.

Course Program

Subjects		Session	Credit Points
For those students pursuing secondary school methods: 18cp Program, as below.			
At least one of			
EDGC801	Professional Experience	GDE Autumn	6
EDGC802	Professional Experience	GDE Spring	6
Plus a maximum of two Secondary Methods in an approved combination, chosen from the following list (6cp each)			
EDGD820	Science Method 1	GDE Annual	6
EDGD821	Science Method 2	GDE Annual	6
EDGD822	Mathematics Method 1	GDE Annual	6
EDGD823	Mathematics Method 2	GDE Annual	6
EDGD824	English Method	GDE Annual	6
EDGD825	Modern History Method	GDE Annual	6
EDGD826	Geography Method	GDE Annual	6
EDGD827	Commerce and Business Studies Method	GDE Annual	6
EDGD828	Legal Studies Method	GDE Annual	6
EDGD829	Music Method 1	GDE Annual	6
EDGD830	Music Method 2	GDE Annual	6
EDGD831	Visual Arts Method 1	GDE Annual	6
EDGD832	Visual Arts Method 2	GDE Annual	6
EDGD833	Drama Method	GDE Annual	6
EDGD834	French Method	GDE Annual	6
EDGD835	Computer Studies Method 1	GDE Annual	6
EDGD836	Computer Studies Method 2	GDE Annual	6
EDGD837	Personal Development, Health and Physical Education Method 1	GDE Annual	6
EDGD838	Personal Development, Health and Physical Education Method 2	GDE Annual	6
EDGD840	Society and Culture Method	GDE Annual	6

Graduate Diploma in TESOL

Testamur Title of Degree:	Graduate Diploma in TESOL
Abbreviation:	GDipTESOL
Home Faculty:	Education
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus, Distance
Starting Session(s):	Autumn/Spring EDU Distance intakes
Location:	Wollongong
UOW Course Code:	669, DE669
CRICOS Code:	020206J

Overview

The Graduate Diploma in TESOL provides a substantial specialist qualification for working in the English language teaching area. It meets the specific professional development needs of a broad range of English language teachers and educators. Participants can choose from a range of subjects which provide a foundation in second language teaching and learning. The course includes a supervised TESOL practicum - a requirement of most employers. Applicants are advised to check with potential employing bodies regarding employment requirements.

The course prepares students to work in a wide variety of contexts in Australia and internationally with children, teenagers and adults. It provides students with in-depth understanding of areas such as second language development, systems of language and computer assisted language learning along with practical skills in second language teaching and learning. While it has a strong practical core, it has a greater emphasis on theory than the Graduate Certificate in TESOL.

The course may provide credit towards the Master of Education in TESOL and for those without a background in Education, may serve as an alternative entry into the Master of Education program.

This course is offered both on campus and through distance education (delivered primarily online).

Entry Requirements

Candidates must meet the normal University requirements for Graduate Diploma entry, ie, a three-year Bachelor degree or equivalent.

It is assumed that students will have at least a three-year undergraduate degree, preferably including subjects related to the teaching of English (for example, TESOL, English Literature, Applied Linguistics). No teaching experience is required. Students from a Non-English speaking background must also meet current Faculty English language requirements (6.5 IELTS).

Credit Transfer

Candidates who have completed a Certificate in English Language Teaching to Adults (CELTA) or equivalent qualification, in addition to the normal Graduate Diploma entry requirements, may be eligible for up to 6 credit points credit in the GDipTESOL

Course Program

The GradDipTESOL consists of 48cp of subjects chosen from the list below, including either EDGT938 or EDGT937. It is recommended that students take EDGT930 early in their study program. On-campus students should consult the relevant timetable to plan their course of study, as not all subjects are offered each session.

Students must take 48cp chosen from the following subjects:

Subjects		Credit Points
EDGT917	English Language: Learners' Problems	6
EDGT930	Methodology in Second Language Teaching*	6
EDGT931	Teaching Speaking and Listening	6
EDGT932	Second Language Literacy	6
EDGT934	Teaching Pronunciation and Prosody	6
EDGT935	Teaching English in International Contexts (Available by distance only)	6
EDGT937	Field Experience Project in TESOL*	6
EDGT938	Professional Experience in TESOL*	6
EDGT940	Materials and Technology in Second Language Teaching	6
EDGX917	International and Intercultural Perspectives in Education	6
EDGT983	Assessment in TESOL	6
EDGT984	Theories of Second Language Learning*	6
EDGT985	Teaching English in Specific Contexts	6

* EDGT930, EDGT984 and one of EDGT937 or EDGT938 are compulsory core subjects in the GDipTESOL

Graduate Certificate in Adult Education

Testamur Title of Degree:	Graduate Certificate in Adult Education
Abbreviation:	GCertAdEd
Home Faculty:	Education
Duration:	1 session or equivalent part time
Total Credit Points:	24
Delivery Mode:	On campus (Face-to-face with online support)
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1151
CRICOS Code:	053881A

Overview

This program seeks to explore adult education in a broad cross-sectoral response and will also aim to have significant links with other programs in the Faculty of Education.

The program seeks to capitalise on an environment of innovation and change in:

- Higher Education
- TAFE and VET in Schools programs
- Health and Community Services
- Military, police and security services
- Corrective services

The course provides opportunity for students, who are most often mid-career professionals, to develop work-based projects to sustain innovation and change in their own organizations in their post graduate courses.

The program incorporates a learning framework and a modular structure that provides opportunities for:

- flexible entry and exit
- customisation
- multiple client groups to access the course in fee paying market

The program is offered in online mode and will have options for total online and mixed mode delivery depending on student and client needs.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three year degree or equivalent).

Course Program

Subjects chosen from the list below to total 24 credit points.

Subjects		Credit Points
EDGH951	Global Issues and Trends in Adult Education/Higher Education and VET	8
EDGH952	Learning about Learning in Adult Education/Higher Education and VET	8
EDGH953	Design and Use of New Technologies in Adult Education/Higher Education and VET	8
EDGH954	Leading and Managing in Adult Education/Higher Education and VET	8
EDGH955	Continuing Professional Development in Adult Education/Higher Education and VET	8
EDGH956	Innovation in Adult Education/Higher Education and VET	8
EDGH957	Multiliteracies and Numeracies in Adult Education/Higher Education and VET	8

Graduate Certificate in Computer Based Learning

Testamur Title of Degree:	Graduate Certificate in Computer Based Learning
Abbreviation:	GCertCompBasedLearn
Home Faculty:	Education
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1110, D1110
CRICOS Code:	022891M

Overview

The Graduate Certificate in Computer-Based Learning is designed to enable graduates to extend their knowledge of the use of computer technology in teaching.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Credit Transfer

Students who wish to continue onto the MEd program can transfer 24 credit points for subjects completed in a Graduate Certificate program, provided the candidate has not formally graduated with the Graduate Certificate award. If the candidate has formally received the Graduate Certificate, up to 12 credit points of credit will be granted towards the MEd.

Course Program

Subjects		Credit Points
EDGE900	Introduction to Technology in Education	8

Plus other subjects chosen from the subjects listed in the Information Technology in Education and Training Program chosen in consultation with the Course Co-ordinator to complete a 24 credit point program.

Graduate Certificate in Early Years Education

Testamur Title of Degree:	Graduate Certificate in Early Years Education
Abbreviation:	GCertEarlyYearsEd
Home Faculty:	Education
Duration:	Two sessions part time
Total Credit Points:	24
Delivery Mode:	Online with face-to-face support
Starting Session(s):	Autumn, Spring
Location:	Wollongong, Bega, Bateman's Bay, Shoalhaven
UOW Course Code:	1180
CRICOS Code:	N/A

Overview

The Graduate Certificate in Early Years Education is an exciting new program which specialises in working with children 0-5 years. It is a specialist postgraduate early childhood education program of the highest quality studied part time over one academic year, ensuring that graduates are well equipped for the increasingly expanding and rewarding role of early childhood educator. This Graduate Certificate is part of a strategy by the University and the Faculty of Education to prioritise education in the Early Years. The Certificate supports the capacity of relevant professionals to meet workforce requirements in line with Australian Government directions in early childhood education and care reform.

At the time of printing the new program is being assessed by the NSW Department of Community Services to ensure the Graduate Certificate meets all the regulatory requirements for staff member positions in licensed child care services. The Graduate Certificate in Early Years Education will provide:

a) a fourth year of study in Early Childhood Education for students who have completed a three year early childhood qualification

b) an accredited Early Years Education qualification for teachers who have qualified in Primary Education and are working in early childhood

c) a postgraduate program of study for students interested in pursuing higher degree study in this area.

Current employment experiences will be recognised for professional experience but recognition by DOCS requires students to demonstrate competence across the entire 0-5 years age range. This may require some field visits or placements.

Entry Requirements

Academic Requirements

3 or 4 year recognised teaching qualification or equivalent eg. Bachelor of Teaching or Bachelor of Education

Other Acceptable Qualifications: 3 year degree plus Grad Diploma in Education

Special Note: Entry may be considered for students with a combination of tertiary studies and professional experience that is deemed equivalent to a three year teaching degree.

English Language Requirements

Standard English Language Requirements: IELTS score - Minimum overall: 7

Reading: 7 Writing: 6.5 Speaking: 6 Listening: 6

This minimum level of English language proficiency is so that students can function effectively in a professional early years setting.

Course Program

The Graduate Certificate in Early Years Education consists of 24 credit points of study, completed over a minimum of one year of part-time study. The four subjects are chosen from the list below, however other subjects from the Faculty's postgraduate program could be included with the approval of the Early Years Program Director.

Subjects

Subject Code	Subject Name	Credit Points	Delivery method(s)
EDGY901	Pedagogy Practice and Play in the Early Years	6	distance
EDGY902	Early Years Curriculum Studies	6	distance
EDGY903	Socio-cultural Perspectives in the Early Years	6	distance
EDGY904	Management, Supervision and Leadership for Early Childhood Professionals	6	distance

Graduate Certificate in Educational Leadership

Testamur Title of Degree:	Graduate Certificate in Educational Leadership
Abbreviation:	GCertEdLead
Home Faculty:	Education
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On campus (Face-to-face with online support), Distance
Starting Sessions:	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1127, D1127
CRICOS Code:	029915G

Overview

The Graduate Certificate in Educational Leadership is designed to provide an opportunity for mid-career professionals with a background in schools, tertiary education and adult education and training to undertake an intensive professional development program to address the changing nature of their work.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Credit Transfer

Students who wish to continue onto the MEd program can transfer 24 credit points for subjects completed in a Graduate Certificate program, provided the candidate has not formally graduated with the Graduate Certificate award. If the candidate has formally received the Graduate Certificate, up to 12 credit points of credit will be granted towards the MEd.

Up to 6cp of credit may be granted in the GCertEdLeadership, for relevant study or professional development courses completed, that are in addition to the normal entry requirement for this program.

Course Program

Subjects		Credit Points
EDGL901	Foundations of Educational Leadership	6
EDGL903	Introduction to Educational Management	6

Plus other subjects chosen from the subjects listed in the Educational Leadership Program chosen in consultation with the course co-ordinator to complete a 24 credit point program.

Graduate Certificate in Gifted Education

Testamur Title of Degree:	Graduate Certificate in Gifted Education
Abbreviation:	GCertGiftedEd
Home Faculty:	Education
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On campus (Face-to-face with online support), Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1109, D1109
CRICOS Code:	036455E

Overview

The Graduate Certificate in Gifted Education is designed to provide a specialist qualification in the area of Gifted Education for graduates interested in qualifying in this area. The course consists of 24 credit points generally completed over twelve months.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Credit Transfer

Students who wish to continue onto the MEd program can transfer 24 credit points for subjects completed in a Graduate Certificate program, provided the candidate has not formally graduated with the Graduate Certificate award. If the candidate has formally received the Graduate Certificate, up to 12 credit points of credit will be granted towards the MEd.

Course Program

Students must complete 24cp chosen from the subjects listed below. Other subjects from the Special Education may be included with the approval of the specialisation program co-ordinator.

Subjects		Credit Points
EDGX901	Psychology for Educators	6
EDGS922	Teaching Gifted Students	6
EDGS924	Giftedness in Special Populations	6
EDGS912	Contemporary Perspectives in the Education of Students with Diverse Needs	6

Graduate Certificate in Higher Education

Testamur Title of Degree:	Graduate Certificate in Higher Education
Abbreviation:	GCertHighEd
Home Faculty:	Education
Duration:	1 session full time or part time equivalent
Total Credit Points:	24
Delivery Mode:	On campus (Face-to-face with online support)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	696
CRICOS Code:	053882M

Overview

This program is available to all existing and newly appointed academic staff of the University. The course will allow staff to develop their teaching capabilities and obtain a formal award as evidence of appropriate teaching skills.

This program seeks to explore adult education in a broad cross-sectoral response and will also aim to have significant links with other programs in the Faculty of Education.

The program seeks to capitalise on an environment of innovation and change in:

Higher Education

TAFE and VET in Schools programs

Health and Community Services

Military, police and security services

Corrective services

The courses provide opportunity for students, who are most often mid-career professionals, to develop work-based projects to sustain innovation and change in their own organizations in their post graduate courses.

The program incorporates a learning framework and a modular structure that provides opportunities for:

- Flexible entry and exit
- Customisation
- Multiple client groups to access the course in fee paying market

The program is offered in online mode and will have options for total online and mixed mode delivery depending on student and client needs. Staff who successfully completes the Graduate Certificate in Higher Education would be eligible to enrol in the Graduate Diploma in Adult Education and Training with credit for three subjects on condition that the applicant surrender the Graduate Certificate.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (ie., a three year degree or equivalent).

Credit Transfer

Students who wish to continue onto the MEd program can transfer 24 credit points for subjects completed in a Graduate Certificate program, provided the candidate has not formally graduated with the Graduate Certificate award. If the candidate has formally received the Graduate Certificate, up to 12 credit points of credit will be granted towards the MEd.

Course Program

Subjects are chosen from the list below in consultation with the course co-ordinator to total 24cp of study.

Subjects	Credit Points	
EDGH951	Global Issues and Trends in Adult Education/Higher Education and VET	8
EDGH952	Learning about Learning in Adult Education/Higher Education and VET	8
EDGH953	Design and Use of New Technologies in Adult Education/Higher Education and VET	8
EDGH954	Leading and Managing in Adult Education/Higher Education and VET	8
EDGH955	Continuing Professional Development in Adult Education/Higher Education and VET	8
EDGH956	Innovation in Adult Education/Higher Education and VET	8
EDGH957	Multiliteracies and Numeracies in Adult Education/Higher Education and VET	8

Graduate Certificate in Interdisciplinary Studies in Education

Testamur Title of Degree:	Graduate Certificate in Interdisciplinary Studies in Education
Abbreviation:	GCertInterDisStEd
Home Faculty:	Education
Duration:	1 session full-time or part time equivalent
Total Credit Points:	24
Delivery Mode:	On campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1181
CRICOS Code:	068543G

Overview

This new program provides the opportunity for students to combine studies in a number of the specialist postgraduate areas of the Faculty, and also to explore issues in the foundation areas of Educational Psychology and Sociology.

The Graduate Certificate in Interdisciplinary Studies can also be used as a pathway for entry into the MEd for students who do not have the four year teaching degree required for Masters entry.

These subjects may form a major study in a Master of Education program, and are also available to students from any major area of study as elective subjects to complement the major area of study. All subjects in this specialisation are delivered to comply with the Federal Government National Code requirements for international students (ie at least 75% face-to-face delivery).

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three year degree or equivalent).

Credit Transfer

Students who wish to continue onto the MEd may transfer up to 24 credit points for subjects completed in a Graduate Certificate program, provided the candidate has not formally graduated with the Graduate Certificate award and these subjects are over and above the MEd entry requirements. If the candidate has formally received the Graduate Certificate, up to 12 credit points of credit may be granted towards the MEd, provided MEd entry requirements are met.

Course Program

Subjects chosen from the list below to total 24 credit points.

Subjects		Credit Points
EDGX901	Psychology for Educators	6
EDGX902	Educational Sociology: Culture, Society and Education	6
EDGX910	Researching Children	6
EDGX917	International and Intercultural Perspectives in Education	8

Additional subjects for this specialisation may be drawn from other specialisations but must be approved by the Director of Graduate Teaching.

Graduate Certificate in Literacy

Testamur Title of Degree:	Graduate Certificate in Literacy
Abbreviation:	GCertLiteracy
Home Faculty:	Education
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1106, D1106
CRICOS Code:	028403F

Overview

The Graduate Certificate in Literacy is designed to provide a specialist qualification in the area of Literacy Education for teachers interested in qualifying in this area. This is offered using online delivery methods only.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Credit Transfer

Students who wish to continue onto the MEd program can transfer 24 credit points for subjects completed in a Graduate Certificate program, provided the candidate has not formally graduated with the Graduate Certificate award. If the candidate has formally received the Graduate Certificate, up to 12 credit points of credit will be granted towards the MEd. Credit is only granted for study that is over and above the entry requirements for the MEd.

Course Program

Subjects		Credit Points
EDGR911	Teaching Reading	8
EDGR912	Teaching Writing	8
Plus one of the following:		
EDGA971	Assessment and Evaluation of Language and Literacy	8
EDGA987	Children's Literature	8

Graduate Certificate in Outdoor Education

Testamur Title of Degree:	Graduate Certificate in Outdoor Education
Abbreviation:	GCertOutdoorEd
Home Faculty:	Education
Duration:	1 session full-time or part time equivalent
Total Credit Points:	24
Delivery Mode:	Flexible
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1128
CRICOS Code:	N/A

Overview

The Graduate Certificate in Outdoor Education is designed for educators interested in attaining the necessary skills and competencies to effectively teach outdoor education in a school or training setting. Outdoor Education draws on the disciplines of experiential education, adventure education, environmental education, social science and the humanities. The course consists of 24 credit points generally completed over twelve months.

Subjects are delivered flexibly, ie require attendance at weekend activities on or near the Wollongong campus.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Credit Transfer

Students who wish to continue onto the MEd program can transfer 24 credit points for subjects completed in a Graduate Certificate program, provided the candidate has not formally graduated with the Graduate Certificate award. If the candidate has formally received the Graduate Certificate, up to 12 credit points of credit will be granted towards the MEd. Credit will only be granted for subjects completed over and above the entry requirements for the MEd.

Course Program

Subjects		Credit Points
Four compulsory subjects (totalling 16 credit points) in the major study area:		
EDGP910	Introduction to Outdoor Education	6
EDGP911	Project for EDGP910	2
EDGP912	Facilitation Techniques in Outdoor Education	6
EDGP913	Project for EDGP912	2

Plus 8 credit points chosen from the PE/Health specialisation or the following areas of the Graduate Schedule: Educational Leadership, Adult Education, Environmental Education or related Project subjects.

Graduate Certificate in Physical and Health Education

Testamur Title of Degree:	Graduate Certificate in Physical and Health Education
Abbreviation:	GCertPE&Health
Home Faculty:	Education
Duration:	One session full-time
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	EDU January Intake
Location:	Wollongong
UOW Course Code:	1157
CRICOS Code:	055830G

Overview

The Graduate Certificate in Physical and Health Education is designed as a bridging program to update knowledge in relation to Adolescent Health and Practical Studies for domestic and international students. It will also provide an avenue for professional development of practicing teachers.

Entry Requirements

Entry to this course will generally be on successful completion of an undergraduate degree or equivalent. Students must meet the English language requirements of the Graduate Diploma in Education.

Course Program

Subjects		Credit Points
EDGP901	Adolescent Health Studies I	6
EDGP902	Adolescent Health Studies II	6
EDGP903	Promoting Physical Activity I	6
EDGP904	Promoting Physical Activity II	6

Graduate Certificate in Special Education

Testamur Title of Degree:	Graduate Certificate in Special Education
Abbreviation:	GCertSpecialEd
Home Faculty:	Education
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus (face to face with online support) and Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1108
CRICOS Code:	029683G

Overview

The Graduate Certificate in Special Education is designed to provide a specialist qualification in the area of Special Education for graduates interested in qualifying in this area. Contact the Special Education program co-ordinator for more details. The course consists of 24 credit points completed over twelve months.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Credit Transfer

Students who wish to continue onto the MEd may transfer up to 24 credit points for subjects completed in a Graduate Certificate program, provided the candidate has not formally graduated with the Graduate Certificate award and these subjects are over and above the MEd entry requirements. If the candidate has formally received the Graduate Certificate, up to 12 credit points of credit may be granted towards the MEd, provided MEd entry requirements are met.

Course Program

Students must complete 24cp chosen from the following subjects:

Subjects		Credit Points
EDGS901	Introduction to Inclusive Education: Strategies, Policies and Legislation	6
EDGX901	Psychology for Educators	6
EDGS912	Contemporary Perspectives in the Education of Children with Diverse Needs	6
EDGS914	Assessment and Instruction of Individuals with High Support Needs	6
EDGS916	Models of Behaviour Management	6
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS920	Language and Communication Difficulties: Theory and Practice	6

Graduate Certificate in TESOL (Teaching English to Speakers of Other Languages)

Testamur Title of Degree:	Graduate Certificate in TESOL
Abbreviation:	GCertTESOL
Home Faculty:	Education
Duration:	1 session full time or equivalent part time
Total Credit Points:	24
Delivery Mode:	On Campus, Distance
Starting Session(s):	Autumn EDU Distance intakes
Location:	Wollongong
UOW Course Code:	1164, D1164
CRICOS Code:	020199C

Overview

The Graduate Certificate in TESOL provides an accredited specialist qualification for teachers who want to teach English to speakers of other languages in Australia or internationally to children, teenagers or adults. The course is regarded as a highly practical qualification for those with little or no experience in second language teaching.

The course consists of a choice of four subjects and includes a supervised TESOL practicum required by employer bodies. Participants can choose from a range of subjects which provide a foundation in second language teaching and learning. Despite its emphasis on practice, all subjects are underpinned by the latest research and theory in the field. Participants learn how to develop teaching programs and lesson plans, how to assess students' language, how to teach the skills of reading, writing, speaking and listening as well as grammar and vocabulary. Applicants are advised to check with potential employing bodies regarding employment requirements.

This course is offered both on campus and through distance education (delivered primarily online) for students who would otherwise not be able to undertake a postgraduate course at the University.

Entry Requirements

A degree equivalent to 3 year Australian bachelors, including a teaching qualification or appropriate equivalent professional teaching experience.

The GCertTESOL assumes an undergraduate background and some practical classroom experience in TESOL. It provides the formal theoretical component and supervised practicum experience required in a formal accredited teaching qualification. Those with no teaching experience should apply for the Graduate Diploma in TESOL.

International students must meet the current Faculty English Language requirements (6.5 IELTS).

Course Program

Subjects are chosen from the list below to complete 24 credit points.

Subjects		Credit Points
EDGT917	English Language: Learners' Problems	6
EDGT930	Methodology in Second Language Teaching*	6
EDGT931	Teaching Speaking and Listening	6
EDGT932	Second Language Literacy	6
EDGT934	Teaching Pronunciation and Prosody	6
EDGT935	Teaching English in International Contexts	6
EDGT937	Field Experience Project in TESOL*	6
EDGT938	Practicum in TESOL*	6
EDGT940	Materials and Technology in Second Language Teaching	6
EDGT976	Text and Context	6
EDGT983	Assessment in TESOL	6
EDGT984	Theories of Second Language Learning	6
EDGT985	English in Specific Contexts	6

* EDGT930 and one of EDGT937 or EDGT938 are core subjects in the GCertTESOL.

Graduate Certificate in Adult Education

Testamur Title of Degree:	Graduate Certificate in Adult Education
Abbreviation:	GCertAdEd
Home Faculty:	Education
Duration:	1 session or part time equivalent
Total Credit Points:	24
Delivery Mode:	On campus (Face-to-Face with flexible-Online support), Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1151
CRICOS Code:	053881A

Graduate Certificate in Higher Education

Testamur Title of Degree:	Graduate Certificate in Higher Education
Abbreviation:	GCertHighEd
Home Faculty:	Education
Duration:	1 session or part time equivalent
Total Credit Points:	24
Delivery Mode:	On campus (Face-to-Face with flexible-Online support), Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	696

Graduate Certificate in Vocational Education and Training

Testamur Title of Degree:	Graduate Certificate in Vocational Education and Training
Abbreviation:	GCertVET
Home Faculty:	Education
Duration:	1 session or part time equivalent
Total Credit Points:	24
Delivery Mode:	On campus (Face-to-Face with flexible-Online support), Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1152
CRICOS Code:	053883K

Overview

This program seeks to explore adult education in a broad cross-sectoral response and will also aim to have significant links with other programs in the Faculty of Education.

The program seeks to capitalise on an environment of innovation and change in:

- Higher Education
- TAFE and VET in Schools programs
- Health and Community Services
- Military, police and security services
- Corrective services

The courses provide opportunity for students, who are most often mid-career professionals, to develop work-based projects to sustain innovation and change in their own organisations in their post graduate courses.

The program incorporates a learning framework and a modular structure that provides opportunities for:

- Flexible entry and exit
- Customisation
- Multiple client groups to access the course in fee paying market

The program is offered in online mode and will have options for total online and mixed mode delivery depending on student and client needs.

The Graduate Certificate is offered in the three streams of Adult Education, Higher Education and VET and assessment tasks are focussed in the relevant group of learners.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three year degree or equivalent). Consideration will be given to candidates who can demonstrate a combination of training qualifications , eg Certificate IV and professional experience that are equivalent to a three year degree, but candidates should check whether this pathway meets the formal teaching accreditation requirements of their employers.

Entry into the Graduate Certificate assumes experience in teaching and a students must have a workplace context to satisfactorily complete these assessment tasks.

Credit Transfer

Students who wish to continue onto the MEd program can transfer 24 credit points for subjects completed in a Graduate Certificate program, provided the candidate has not formally graduated with the Graduate Certificate award. If the candidate has formally received the Graduate Certificate, up to 12 credit points of credit will be granted towards the MEd.

Course Program

Subjects are chosen from the list below in consultation with the course co-ordinator, to total 24 credit points.

Subjects		Credit Points
EDGH951	Global Issues and Trends in Adult Education/Higher Education and VET	8
EDGH952	Learning about Learning in Adult Education/Higher Education and VET	8
EDGH953	Design and Use of New Technologies in Adult Education/Higher Education and VET	8
EDGH954	Leading and Managing in Adult Education/Higher Education and VET	8
EDGH955	Continuing Professional Development in Adult Education/Higher Education and VET	8
EDGH956	Innovation in Adult Education/Higher Education and VET	8
EDGH957	Multiliteracies and Numeracies in Adult Education/Higher Education and VET	8

SUBJECT DESCRIPTIONS

EDGA917 International & Intercultural Perspectives

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Learning and teaching is strongly influenced by international developments in education and by multicultural learning environments. Students will critically analyse issues of language policy, intercultural communication, ethnicity, culture, and power from contemporary international and intercultural perspectives. Students will explore concepts of international education, internationalisation, global education and socio-cultural contexts of teaching, including education in less industrialised regions of the world and education for minority groups.

EDGA971 Assessment and Evaluation of Language and Literacy

Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines both past and current issues and theoretical underpinnings of evaluating student learning. It will critically examine these issues in terms of contemporary theories of language and literacy learning. It will draw on recent research and theory related to the areas of psychometrics, qualitative evaluation, and linguistics. Students will also be required to trial and evaluate a range of assessment and evaluation instruments and procedures.

EDGA987 Children's Literature

Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Students will be guided towards an appreciation, enjoyment, evaluation and critique of a broad range of children's literature in the light of various theories of literary criticism. In addition, participants will become familiar with a number of strategies relating to children's literacy for use in the classroom. Students will be asked to consider the apparent assumptions about children as readers in the texts examined and the relationship between new technologies and children's literature.

EDGB914 School Counselling in Context

Annual Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The following areas will be addressed by students in on line lectures and forums, readings and assessment tasks. Counselling theories including Skilled Helper model; Interviewing skills; Development of a Portfolio that indicates knowledge of local community resources, observation and understanding of diversity of counsellor roles; Individual student management plans and report writing; Course involves residential sessions, on line learning, and support ; Practicum assessed jointly by University staff and DET line supervisors.

EDGD800 Professional Experience

GDE Annual	Batemans Bay	On Campus
GDE Annual	Bega	On Campus
GDE Annual	Shoalhaven	On Campus
GDE Annual	Wollongong	On Campus

Credit Points: 0
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC800
Subject Description: This subject is the compulsory professional experience component of the program. It involves field experience in schools and practice teaching in schools. Emphasis is placed on lesson planning, classroom management, and catering for a diversity of learners in the classroom, Students will also be required to reflect on their roles and responsibilities in child protection and welfare.

EDGD801 Learning and Behaviour

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject will focus on the psychology of learners with an emphasis on effective teaching and classroom management strategies. The theories of teaching and learning, as well as the models of classroom management, will inform pre-service teachers on planning for effective learning and thereby reducing teacher stress. This unit will assist with identifying common causes of behavioral problems in the classroom and will offer strategies for dealing with these problems

EDGD802 Educational Sociology

GDE Autumn	Wollongong	On Campus
GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC812
Subject Description: This subject focuses on ways in which a teacher can celebrate the diversity of school contexts and diversity among learners, and apply a philosophy of equity for student learning from K-12. It aims to provide students with an understanding of the role of education in issues such as gender, class, 'race', ethnicity and ability. It also aims to engage students in the debates around 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 media.

EDGD803 Literacy Across The Curriculum

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC812, EDGC822
Subject Description: EDGD803 explores the teaching of Literacy in both the primary and secondary school classroom. It does so through developing an understanding of several key areas that impact upon the teaching of Literacy. Learning language is both social and functional that is made up of a set of symbols that children learn to control, interact with and use to make meaning. Teaching children about Literacy should be planned, systematic and balanced as process, strategies and skills are addressed in meaningful ways to develop understanding. Teachers need to constantly engage in a reflective cycle of assessment and evaluation as they develop and implement literacy opportunities for their students. These should be supported by an in-depth understanding of the support documents of the NSW Syllabus

EDGD804 Personal Development, Health and Physical Education

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC822
Subject Description: All teachers, primary and secondary, play a vital role in ensuring the health and welfare of students within the school setting. It is therefore part of the responsibility of teachers to promote the physical and emotional wellbeing of students by providing environments in which they feel safe, where they can communicate with others and can contribute in ways that are accepted and valued. In addition, schools have a responsibility to provide opportunities for students to be involved in safe, well structured sporting and physical activity programs where they are encouraged to develop skills that can lead to lifelong participation in physical activity.

EDGD805 Professional Skills for PDHPE (PDHPE Specialists Only)

GDE Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC814
Subject Description: This subject complements the teaching methods theory component within the Graduate Diploma in Education program and aims to provide a strong foundation in areas those areas that fall under the professional responsibilities of a Personal Development, Health and Physical Education (PDHPE) teacher. Those in the PDHPE Key Learning Area play a major role in maintaining the health and welfare of students in both a whole school and subject specific setting and those wishing to be effective teachers need to be able to apply their professional skills in a variety of contexts

EDGD806 Aboriginal Education

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject covers a range of selected topics that relate to Aboriginal education including: history, survival, health, Aboriginal perspectives and the impact of socio-cultural factors on teaching and learning and Quality Teaching. Students will examine best practice and case studies that identify what's working in schools. Overall the subject aims to build the capacity of students to engage and deliver Aboriginal pedagogies and make learning meaningful for Aboriginal students in a sensitive and culturally safe environment for all. Students will also be provided with Aboriginal peoples critical analysis on these constructions and more importantly our own worldviews on identities, culture(s), histories and educational experiences.

EDGD807 Learners With Special Needs

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
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.

EDGD808 Quality Teaching

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will critically examine contemporary contexts and issues regarding curriculum development, assessment, communication, planning and reflection, as well as the role of Information and Communication Technology as a professional tool for teaching and learning. This unit also considers

the roles and responsibilities of a classroom teacher, principles of quality teaching and the NSW Institute of Teachers Professional Teaching Standards.

EDGD810 English KLA

GDE Primary Autumn	Batemans Bay	On Campus
GDE Primary Autumn	Bega	On Campus
GDE Primary Autumn	Shoalhaven	On Campus
GDE Primary Autumn	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC861 and EDGC862
Subject Description: EDGD810 explores the teaching of the English Key Learning Area in the primary school classroom. It does so through developing an understanding of several key areas that impact upon the teaching of English (Language). Learning language is both social and functional that occurs across the four modes of language- Talking, Listening, Reading and Writing. Language is made up of a set of symbols that children learn to control, interact with and use to make meaning. Teaching children about language should be planned, systematic and balanced as process, strategies and skills are addressed in meaningful ways to develop understanding. Teachers need to constantly engage in a reflective cycle of assessment and evaluation as they develop and implement literacy opportunities for their students. These should be supported by an in-depth understanding of the support documents of the NSW English Syllabus.

EDGD811 Mathematics KLA

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC861 and EDGC862
Subject Description: In this first subject of mathematics and pedagogy, students will gain knowledge and understanding of key aspects of Mathematics K-6 and develop effective teaching and learning strategies for successful classroom practice. The subject will also embed the pedagogy within major theoretical perspectives on mathematical learning and teaching. The unit will be specifically concerned with three strands of the NSW Mathematics K-6 syllabus (2002): Number, Measurement and Working Mathematically.

EDGD812 Science and Technology KLA

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC861 and EDGC862
Subject Description: In this subject students develop an understanding about the K-6 syllabus for Science and Technology (curriculum) and the Science and Technology Outcomes and Indicators document (1999). In addition the students learn discipline knowledge (content) and about ways of teaching the subject (pedagogy).

EDGD813 Creative Arts KLA

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC861 and EDGC862
Subject Description: This subject will prepare students to: research, compare and interpret music, visual arts, dance and drama in a variety of contexts including social, cultural and historical; identify and prepare appropriate arts education teaching materials and strategies for the primary classroom; identify the purpose and structure of the arts and its relationship to the NSW syllabus; engage in experiences whereby they come to understand the language of the arts; examine possibilities for integrating the arts with other subject areas; be involved in practical skills in listening, singing, playing, moving, and creating, as well as in the making of art works and develop and demonstrate sound reporting and assessing practices.

EDGD814 Human Society and Its Environment KLA

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC861 and EDGC862
Subject Description: "The future wellbeing of human society and its environment depends upon the quality of people's interactions with each other and with their cultural, social and physical environments as they strive to meet each other's needs (NSW BOS HSIE K-6 syllabus 1998, p.7)". This subject introduces teacher education students to the concept of learning and teaching in the key learning area known as Human Society and Its Environment (HSIE). Through lectures, hands on tutorial workshops and practicum experience students will be provided with the knowledge and skills that will assist them to develop innovative and creative classroom programs in HSIE building on the NSW HSIE syllabus. The outcome of the subject will be the ability for student educators to plan and implement HSIE in classrooms in order to develop learners values, attitudes, skills and knowledge. This subject will also raise the awareness of students personal, community, national and global identity, but also enhance their understanding of the role that each of them play as responsible citizens in maintaining and improving our cultural, social and physical environment.

EDGD815 Numeracy

GDE Primary Autumn	Batemans Bay	On Campus
GDE Primary Autumn	Bega	On Campus
GDE Primary Autumn	Shoalhaven	On Campus
GDE Primary Autumn	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC861 and EDGC862
Subject Description: In this second subject on

mathematics and pedagogy, students will gain knowledge and understanding of key aspects of Mathematics K-6 and develop effective teaching and learning strategies for successful classroom practice. The subject will also embed the pedagogy within major theoretical perspectives on mathematical learning and teaching. The unit will be specifically concerned with three strands of the NSW Mathematics K-6 syllabus (2002): Space and Geometry, Patterns and Algebra, Data and Working Mathematically.

EDGD820 Science Method 1

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC851
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD821 Science Method 2

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC851
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD822 Mathematics Method 1

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC853
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD823 Mathematics Method 2

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: EDGD822
Co-requisites: None
Exclusions: EDGC854
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD824 English Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC855
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD825 History Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC856
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD826 Geography Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC857
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD827 Commerce and Business Studies Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC858
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant

teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD828 Legal Studies Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC860
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD829 Music Method 1

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC871
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD830 Music Method 2

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC872
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD831 Visual Arts Method 1

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC873
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD832 Visual Arts Method 2

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC874
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD833 Drama Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC875
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD834 French Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC876
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD835 Computer Studies Method 1

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC881
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of

the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD836 Computer Studies Method 2

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC882
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools.

EDGD837 Personal Development, Health and Physical Education Method 1

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC891
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools

EDGD838 Personal Development, Health and Physical Education Method 2

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC892
Subject Description: This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area in secondary schools

EDGD840 Society and Culture Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGC858
Subject Description: This subject is designed to assist students in their preparation for the teaching profession. An integral part of this approach is the recognition of teaching as a profession and the need for beginning teachers to exhibit professionalism in all that they do. The course will stress the need for beginning teachers to be current; to be able to initiate and react to curriculum change; to strive to expand their repertoire of teaching skills; to be reflective; to develop a personal philosophy of teaching and to develop the interpersonal skills needed to establish a rapport with their students. This course will focus on the knowledge, skills, values, and attitudes relevant to the teaching of Society and Culture. It will emphasise the need to develop flexible classroom management skills and the development of teaching strategies for a broad range of learning needs and learning styles.

EDGE900 Introduction to Technology in Education

Autumn Wollongong On Campus
Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: EDGI911
Subject Description: EDGE 900 Introduction to technology in education provides a basic introduction to the strand: Information Technology in Education and Training. As such, it is an overview of the range of issues and topics that will be further elaborated upon in subsequent subjects; specifically it introduces students to current issues and trends, learning theory, instructional design, and research and evaluation. The subject explores the concept of information technology and the ways in which the educational enterprise is affected by it. The subject considers the theoretical and practical skills used in designing, developing, and evaluating teaching and learning environments using a variety of instructional systems.

EDGE901 Emerging Issues in Educational Technology

Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The continuous development of information and communication technologies has influenced the ways we live, work and learn. With each new technological innovation comes renewed discussion about the role of technology in education and its impact on learning and teaching. Influences also come from developments in educational theory and philosophy, and changes in wider society. This subject will respond to the most recent innovations in technology and focus on emerging issues relevant to educational technology, engaging students in an analysis of these through a critical examination of the current research and debate. Students will also be expected to investigate and analyse the emerging issue in educational contexts of interest and relevance to them.

EDGE902 Instructional Strategies and Design

Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will enable students to develop their understanding of technology-based learning through the design of innovative and authentic learning environments using instructional design

principles. The subject will focus on the design and development of technology-based learning environments using a variety of instructional strategies, as well as the tools that can be used to develop such environments. Students will design a technology-based learning environment, and outline planning decisions related to task design, assessment, instructional strategies, media selection, and program evaluation. Students will be able to choose projects to suit their own teaching or training needs, to focus on topics and media of interest, and to work both individually and collaboratively at a distance.

EDGE903 Multimedia and Interface Design

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: In the design of interactive learning environments, the development of an effective interface and the choice of appropriate media requires not only an understanding of the knowledge domain but also the most effective way to represent this to learners. This subject will develop students understanding of the design and development of interactive multimedia learning resources and environments through a focus on selecting and combining media appropriately for effective learning. This subject explores the role of effective visualisation and screen design and the ways it can facilitate understanding by learners/users of software. Topics focus on how multiple media can be combined to enhance understanding, how visual design and metaphor support reduction in cognitive load, how effective electronic performance support systems support work through complex tasks and how usability can be investigated. Students will have an opportunity to design their own multimedia treatments for concepts of their choice and, using the software tools available, develop these into learning resources.

EDGE904 Online Learning and teaching

Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: EDGI915
Subject Description: EDGE 904 Online learning and teaching provides a basic introduction to current design and research issues in online learning. Topics covered include technologies that facilitate online teaching and learning; the theoretical and pedagogical underpinnings of online teaching and learning; and, the communication models that are utilised in online teaching and learning.

EDGE905 Evaluation of Technology-Based Learning

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: EDGI933
Subject Description: In this subject, students will explore appropriate evaluation approaches throughout the entire life cycle of an interactive learning system or technology-based learning environment-from needs analysis through to formative and summative evaluation, and beyond. Evaluation frameworks and models and how they are applied will be examined in depth, and students will develop strategies for selecting appropriate evaluation methods based on decisions that need to be made about a learning environment. Students will have the opportunity to apply their understanding of evaluation to a real-world context by designing a large-scale evaluation of a technology-based learning environment.

EDGH951 The Global Challenge in Adult Education/VET/Higher Education

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an introduction to the contemporary adult education environment in Australia, as well as addressing challenges that will confront adult educators and administrators. Students will be introduced to key elements of adult and vocational education, including an exploration of the relationships between work, technology, training and employment, and new technologies and settings for learning. The subject will explore aspects of the National Training Reform Agenda. These developments are explored in the context of the work of administrators, trainers and teachers in their workplace settings. Four out of the five assessment modules must be completed successfully.

EDGH952 Learning about Learning in Adult Education/VET/Higher Education

Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This introductory subject provides a policy context in which teaching and learning in VET, adult and higher education has been developed, exploring some theoretical positions that have informed vocational education, including problem-based learning, reflective practice and the development of practitioner-based learning. The eight modules seek to model aspects of good learning theory through applied assessment tasks that enable students to trial learning experiences in their workplace. Students have the option to develop learning experiences and assessment and evaluation with a view to improving their own practice.

EDGH953 Design and Use of New Technologies in Ad Educ/ VET/Higher Educ

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides both theoretical and practical dimensions of utilising new digital technologies of learning in adult, VET and higher education. The subject will address the nature and character of computer-based information and communications technology. The subject explores theory associated with learning mediated by technology and explores the application of web-based learning, the Internet, multimedia and learning objects to develop online learning environments.

EDGH954 Leading and Managing in Ad Educ/VET/Higher Educ

Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores the importance of leadership that is collaborative, planned and outcome oriented. The possibilities for developing collaborative partnership-based forms of management that enhance outcomes for the community and industry are stressed. Students will be encouraged to critically review their understanding and experience of management and leadership and review their practice with a view to developing productive partnerships within their working units and communities. Students will also be introduced to the principles of outcomes-based planning and the notion of multiple and diverse accountabilities such as the triple bottom line. This subject also stresses the need to develop leadership and management strategies that have the capacity to develop global alliances that incorporate international settings.

EDGH955 Professional Development in Ad Educ/VET/Higher Educ

Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject enables students to develop a negotiated professional development project in areas associated with Adult Education, VET and Higher Education. The subject explores the concept of professional development in the workplace and explores opportunities for students to develop portfolios directed at emerging issues in Adult Education, VET and Higher Education. The subject has a particular emphasis on developments in research in the Higher Education sector. The subject has four assessment modules.

EDGH956 Innovation for Practitioners in Ad Educ/VET/Higher Educ

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide students with an opportunity to develop and trial an innovative response to issues in their workplace. The subject emphasises an approach to developing a learning experience or innovation in their workplace such as a curriculum unit that involves action learning. The subject material promotes and features a collaborative and cyclic approach to design, implementation and evaluation that enables participation and feedback by members of workplaces. The subject offers opportunities for students to develop innovations in their workplace and to develop materials or events that promote effective learning. This subject has four assessment modules.

EDGL901 Foundations of Educational Leadership

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This core subject provides students with the range of foundational understandings essential for understanding the leadership function in education and training organisations. The content covers the main areas of intellectual understanding which underpin 'futures oriented' effective leadership, by developing conceptual understandings of: policy context and planning; sociological pressures; futurism; economic realities and education; curriculum leadership and planning; and change strategies.

EDGL903 Introduction to Educational Management

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGP935
Subject Description: This core subject provides students with the range of foundational understandings essential for understanding the management function in education and training organisations. The content topics are selected to introduce the main areas of intellectual understanding which underpin 'present' oriented effective management by developing conceptual understandings of: adult education and training; staff development; information systems; financial management; personal management skills- as they contribute to the management function of educational organisations. As the course is related to educational management, it takes an overarching view of the challenges and issues facing incumbent or aspiring educational managers from different perspectives including physical education, sport and recreation. Students will be able to explore issues of relevance and application to their specific context.

EDGL905 International Trends In Educational Leadership

Not on offer in 2010
Credit Points: 6
Pre-requisites: EDGL901 or EDGL903
Co-requisites: None
Subject Description: Contact hours: 3 hr/ week or equivalent. This core subject provides a futures oriented context and understanding to the development and implementation of education and training policies in a rapid change, globalising economy. Selected content areas include: internationalisation of economies and social systems; policy and planning implications of weakened nation states, and the emergence of global social, economic, and legal systems; international perspectives on education and training; approaches to policy and planning in comparative social systems; the limitations of central policy and planning systems in rapid change customer focussed contexts; emerging methodologies for effective policy and planning in education and training systems and organisations.

EDGL909 Leadership of Effective Change

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The topics, case studies, and

projects of this subject are selected to develop effective leadership strategies for implementing effective change in education and training organisations. They include: characteristics of effective change; environmental scans; the critical role and importance of staff in implementing effective change; working through HR strategies to achieve effective change strategies for planning, implementing and monitoring effective change in professional service organisations, with a particular focus on project management techniques for effective change

EDGL911 Leadership in Curriculum

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This core subject deals with the special leadership and management tasks of the education and training organisation. The particular features of professional service organisations dealing with education and training processes and outcomes will be highlighted. The leadership/management roles and tasks which both oversight and complement the professional roles of the curriculum and instructional specialist(s) will be particularly emphasised. The subject will take a practical, case study approach to the range of issues and concerns generated by the special leadership requirements of the educational organisation

EDGL913 Program Evaluation

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A range of evaluation approaches, their assumptions and major methodologies which may be applicable in formal educational, non-formal and business and industry environments are discussed and critiqued. Students have the opportunity to participate in evaluation simulations and undertake and share their own evaluation as part of the subject. Issues addressed include: ethical priorities; program planning and budgeting; QA, accreditation; skill transfer and site based action research.

EDGL917 Leadership in Quality Learning and Teaching

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will examine the impact on learning communities of changing instructional and learning needs in relation to concepts of quality, effectiveness, improvement and accountability. Critical influences of learning contexts on learning outcomes will be considered. Students will explore recent developments in learning and teaching theory in terms of the enhancement of reflective and self-directed learning, the encouragement of student voice, mentoring, and interactive multimedia teaching and learning strategies.

EDGL919 Mentoring Beginning Teachers

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Theoretical framework: analysis and critique of relevant literature; professional needs of beginning teachers; context in terms of relevant policy documents; mentoring as a model of promoting teachers development; assessing teacher performance; and designing, implementing and evaluating a mentoring program.

EDGL920 Leading, Developing and Managing People

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: People constitute a major source of organisational advantage and success. This course deals with the leadership challenges of managing, motivating and energising people in human service organisations such as education. Drawing upon research and effectual/ineffectual exemplars, participants will consider people management strategies from a variety of perspectives: recruitment and induction, supervision and performance management, team building, conflict resolution, and professional development.

EDGL922 Law for Educational Leaders

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The following broad areas of subject content will be encountered by students in their readings, the weekly on-line sessions and in the assessment tasks: The common law ; Traditional claims to justice; The duty of care; The tort of negligence - students' physical welfare ; Sport, physical education, excursion, practical activities; Significant statute law and education regulations; Educational malpractice - the failure to educate; The powers of police and the courts; School rules, policies, procedures and the law - student welfare and discipline; Child Protection; Attendance, suspension, expulsion/ exclusion; Confiscation and search; The rights of students, teachers and the general public; Family law, custody, access; Relevant educational case histories in law; Current trends in education and the law; Risk management and harm minimisation for educational leaders.

EDGL930 Work Motivation in Educational Leadership

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject considers motivation, job satisfaction and related phenomena in educational workplaces. General theories and models are considered and their relevance to educational and training organisations will be explored. Models are critically examined and teachers, administrators' and trainers' job characteristics and their relationship with job satisfaction are investigated. Job redesign is discussed.

EDGL931 Organisational Behaviour in Education

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None

Co-requisites: None
Subject Description: In this subject students will analyse human behaviour in educational organisations. A broad range of central concepts related to the behaviour of educational managers, leaders and other individuals in educational organisations, and the application of those concepts to the analysis of organisational problems, are considered. Some examples are communication, human resource management, power, politics, conflict, decision-making, planning, organisational change and organisational learning.

EDGL933 Organisation Theory for Educational Leaders

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The purpose of this subject is to provide students with 'conceptual lenses' from organisation theory to examine and understand educational organizations with application to educational leadership. A range of theoretical perspectives and conceptualizations of organizations are included, for example, scientific management, bureaucracy and professional educators, human relations, organizational technology, organizational structure and open systems theory. Organisational metaphors, including organizational culture, and critiques of conventional theories of educational organizations are considered

EDGL940 Evidence-Based Leadership

Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to challenge participants to examine some of these myths and models and analyse the arguments for emerging evidence-based educational leadership conceptions and approaches and their implications for leadership practice and preparation, and teacher education. In particular, participants will critique recent leading research which links outstanding educational leadership to school renewal and improvement, quality teaching and improved student outcomes.

EDGP901 Adolescent Health 1

Summer 2009/		
Autumn 2010	Wollongong	On Campus
EDU Intake Jan	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Adolescent Health I will provide an overview of health, well-being and the dimensions of health. The current health status of Australians, in particular, young people will be examined. The focus will be on psychosocial health and the mental illnesses affecting adolescents (psychotic, non-psychotic, self-harm). The 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 coping with loss and grief will be discussed

EDGP902 Adolescent Health 2

Summer 2009/		
Autumn 2010	Wollongong	On Campus
EDU Intake Jan	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Adolescent Health Issues 2 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/programmes/support agencies identified that can assist in the meaningful promotion of the health of young people.

EDGP903 Promoting Physical Activity 1

Summer 2009/		
Autumn 2010	Wollongong	On Campus
EDU Intake Jan	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will participate in practical experiences that will explore the fundamental principles underlying all movement and identify how these principles impact on the development of specialised skills. The subject will actively engage participants in a variety of games (invasion, net/court, striking/fielding and target) that demonstrate the different approaches to the teaching and learning of games. Students will develop an understanding of game sense and how it relates to technique. The promotion of physical activity in aquatic environments will require students to display competence in a range of swimming activities and water rescue techniques.

EDGP904 Promoting Physical Activity 2

Summer 2009/		
Autumn 2010	Wollongong	On Campus
EDU Intake Jan	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Through participation in a variety of practical and theoretical experiences, students will develop their own level of performance and utilise a variety of teaching strategies associated with composition of movement. Students will participate in a range of modern, contemporary, and cultural dance mediums exploring locomotor and non-locomotor movements. Dominant movement patterns and concepts underlying dance and gymnastics, elements of composition and movement appreciation will be explored. The subject will cover specific safety considerations in planning, devising and performing dance and gymnastics

movements. Students will be required to compile a resource folder of a range of movement experiences and associated resources to assist in future program design.

EDGP910 Introduction to Outdoor Education

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Increasing pressure in urban and contemporary living has placed greater awareness on environmental and outdoor opportunities for educational, community and corporate groups. A variety of learning experiences will be presented which enable students to gain an insight into how Outdoor Education is used as a catalyst for social and personal development and/or environmental sensitivity. Topics include: the philosophy of the Outward Education; innovations in National Curriculum for Outdoor Education; an exposure to various school programs incorporating Outdoor Education; and an examination of technical skills required in this field. Practical fieldwork experiences on a regular basis also form part of this course.

EDGP911 Project for EDGP910

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: None

EDGP912 Facilitation Techniques in Outdoor Education

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Contact hrs: 35hrs This subject is a complementary blend of theory and practice to highlight the various leadership, and management styles evident in outdoor education. Facilitation and processing techniques incorporated into outdoor education programs in a variety of pedagogical contexts will be examined. Specific content will explore various philosophies and methodologies used in adventure-based outdoor education programs and enable students to delineate common elements of individual facilitation techniques. Practical fieldwork will be used as a vehicle to integrate theory and practice. A variety of learning experiences will be presented which will enable students to gain an insight into how Outdoor Education is used as a catalyst for social and personal development.

EDGP913 Project for EDGP912

Autumn Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This is an optional project component subject taken in conjunction with EDGP912 and not available separately. The 2 cp Project extends the opportunity to study the issues of EDGP912.

EDGP924 Young People and Health

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGA924
Subject Description: This subject will address issues associated with young people's health from a critical perspective, drawing on social and cultural theory and research in the area. It will provide participants with the knowledge and skills to evaluate the different positions on young people's health and to develop the capacity to critically assess the substantial amounts of information available in academic and popular writings on the topic. Topics covered in the subject will include: youth as a relational concept; health issues facing young people today; ' risk' and young people; globalisation and youth health; approaches to youth health; youth health services; schools and youth health. This subject replaces EDGA924 in the postgraduate PE/Health program.

EDGP930 Theoretical and Practical Bases of Coach Education

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Contact hrs: 3hrs per week. This subject analyses current coaching theory related to pedagogical issues, time management and overseas developments in coaching. Students undertake an indepth analysis of the discipline areas applied to coaching. A conceptual framework of coaching both in Australia and overseas will be used with practical implications related to practice sessions in a variety of sport environments.

EDGP931 Project for EDGP930

Autumn Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This is an optional project component subject taken in conjunction with EDGP930 and not available separately. The 2 cp Project extends the opportunity to study the issues of EDGP930.

EDGP932 Issues In Coach Education and Sport Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide students with an examination of current issues. Attention will be given to current international issues such as administrative structures, advanced coaching models, theoretical and practical bases of talent identification, government policy, and research in coach education and sport administration. They will undertake a review of literature in one chosen area presenting the outcomes of the research in a seminar.

EDGP933 Project For EDGP932

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This is an optional project

component subject taken in conjunction with EDGP932 and not available separately. The 2 cp Project extends the opportunity to study the issues of EDGP932.

EDGP934 Cultural Politics of Sport, Leisure and Physical Education

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine contemporary debates and issues in the areas of sport, leisure and physical education from a critical perspective. It will examine how the knowledge, values and practices associated with these areas are constituted in the context of specific social, economic, political and cultural relations and how the practices associated with these areas in turn shape social knowledge and values. The subject will draw on a range of methodologies and resources including media and document analysis, the interrogation of statistical reports and contemporary mythologies about sport and physical activity; current feminist and masculinity research on sport, leisure and physical education; contemporary theories of leisure as consumption; youth studies and leisure and physical activity.

EDGP935 Leadership and Management in Physical Education, Sport & Recreation

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGL903
Subject Description: This core subject provides students with the range of foundational understandings essential for understanding the management function in education and training organisations. The content topics are selected to introduce the main areas of intellectual understanding which underpin 'present' oriented effective management by developing conceptual understandings of: adult education and training; staff development; information systems; financial management; personal management skills- as they contribute to the management function of educational organisations. As the course is related to educational management, it takes an overarching view of the challenges and issues facing incumbent or aspiring educational managers from different perspectives including physical education, sport and recreation. Students will be able to explore issues of relevance and application to their specific context.

EDGP990 Practicum in a Learning Environment

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will design, implement and evaluate a program of work in a practical environment. This will extend over 30 hours of contact during the session at a worksite of choice. Reflective evaluation will take place on all of the practicum resulting in a critical analysis. All students will meet on a regular basis to discuss issues related to the practicum.

EDGP991 Project for EDGP990

Spring Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This is an optional project component subject taken in conjunction with EDGP990 and not available separately. The 2 cp Project extends the opportunity to study the issues of EDGP990.

EDGR911 Teaching Reading

Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine the nexus between reading theories and practices. Topics to be studied include: reading and its relationship to language and learning; models of reading instruction and practices; history of reading policies and methods; learning to read and learning through reading; sociocultural relationships between the reader and the written texts; reading for different purposes; evaluation of reading; the reading-writing connections and current debates around reading instruction.

EDGR912 Teaching Writing

Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine the nexus between writing theories and practices. Topics to be studied will include: the writing process and its relationship to language and learning; models of writing instruction; learning to write and learning through writing; the role of context, purpose and audience in shaping written genres; the writing/reading connection - specifically spelling, grammar and the role of editing and proofreading, and the evaluation of written texts.

EDGS901 Intro. to Inclusive Education: Strategies, Policies and Legislation

Autumn Wollongong Distance
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This unit will be an introduction to the learning requirements of students with special needs. Additionally, it will critically examine the processes, models, educational policies and strategies proposed for the inclusion of students with special needs in the regular classroom. The Inclusion debate and issues such as the most effective delivery systems and the most effective curriculum structures will be examined. The barriers to inclusion such as stigma and negative attitudes will be explored together with service delivery structures in schools. Finally, there will be a focus on the implications of relevant legislation

such as, the Disability Discrimination Act, Disability Standards for Education and the Occupational Health and Safety Act, for special education professionals.

EDGS902 Asses. and Instruction of students with learning difficulties

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on expanding knowledge & understanding of Learning Difficulties, and developing high level teaching strategies to most effectively cater for students experiencing LD. Students are given opportunity to experience a variety of teaching methods and programmes according to the specific difficulty which they target, ranging from: ADHD, Aspergers Syndrome, Dyspraxia, Dyslexia, Dysgraphia, Language Disorders, Mathematics Difficulties, Developmental Delay & Sensory Impairment.

EDGS903 Technologies for students with special needs

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides a theoretical and practical grounding in augmentative and alternative communication methods that enable students with language and communication difficulties to respond to all aspects of schooling. Students will consider how and why to use technologies to improve access by students with special need to all areas of the curriculum. In hands-on tutorials students will learn how to use aided and non-aided tools, computer assistive technologies and specific software (e.g. Boardmaker, PECS). The subject emphasises a Total Communication approach within a school and classroom context.

EDGS904 Effective partnerships for Special Education professionals

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will focus on the skills and knowledge required to work in trans-disciplinary teams in a consultative and collaborative manner when working with students with disabilities and their families. It will identify the interpersonal skills required for the collaborative-consultative model in special education . It will also identify the relationship between professional, legal and ethical issues and appropriate practice. The emphasis will be on improving teachers' interpersonal skills to work professionally and collaboratively with families and other professionals in multi-cultural environments.

EDGS912 Contemporary Perspectives Education of Students with Diverse Needs

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will critically examine current philosophical and policy issues related to the education of students with special needs, including gifted children. The link between theoretical frameworks and practical applications will be explored with a particular focus on the impact of current theories on change processes in special education

EDGS913 Project in Contemporary Perspectives

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This subject builds on the theoretical perspectives gained from the subject, Contemporary Perspectives in the Education of Students with Diverse Needs. It provides the opportunity for students to explore more deeply a particular issue related to policy or programming for students with special needs. Students completing the project will select a topic in consultation with the lecturer. The project may take the form of a case study, a curriculum plan or an evaluation study.

EDGS914 Assessment and Instruction of Individuals with High Support Needs

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to develop basic skills in assessment, program planning, program implementation and evaluation in relation to students with special educational needs. The principles of effective teaching and curriculum modification will be addressed. While a range of teaching approaches will be reviewed, the emphasis will be on those which have strong empirical support for their effectiveness.

EDGS915 Programs for Students with Learning Difficulties

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide students with the opportunity to investigate the educational needs of one particular group of students, and to evaluate the efficacy of current responses to their educational needs. Students will draw upon understandings and skills developed in EDGS914 which is a pre- or co-requisite for this subject.

EDGS916 Models of Behaviour Management

Spring Wollongong Flexible
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines a range of approaches to behaviour management and the theoretical principles upon which they are based. Problems associated with non school attendance, oppositional

disorders, attention deficit disorders and other commonly occurring behaviour disorders are critically examined within the context of increasing academic engaged time and developing social and conflict resolution skills.

EDGS917 Programming for Behaviour Management

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will build on the conceptual understandings and skills developed in EDGS916 and involve the development of a schoolwide behaviour management plan for a nominated educational setting. It will incorporate an analysis of the function of schools, the causes of inappropriate behaviour and the role of the teacher in guiding student behaviour.

EDGS918 Approaches to Reading Difficulties: Theories and Strategies

Autumn	Wollongong	On Campus
Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will engage students in a critical review of current empirical research in the area of reading difficulties. Theoretical and methodological aspects will be considered.

EDGS919 Reading Difficulties: Program Design and Implementation

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: EDGS918
Subject Description: This subject will engage students in the practical implementation of current theories regarding the identification and remediation of reading difficulties. Students will be required to work with a student with reading difficulties for a period of 6-8 weeks. This will involve pre- and post-assessment tasks and designing and implementing an appropriate instructional program.

EDGS920 Language and Communication Difficulties: Theory and Practice

Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the major causes of language and communication difficulties. An overview of the topic will include an historical perspective which indicates shifts in issues such as identification, classification and categorization. Specific language difficulties associated with autism, cerebral palsy, hearing impairment, intellectual impairment and learning disabilities will be examined. Assessment of communication difficulties and evaluation of a range of educational strategies will conclude the subject

EDGS921 Language-Related Learning Difficulties: A Case Study

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the impact of language-related learning difficulties on academic performance. Students will analyse the needs of a child with such difficulties and make recommendations for compensatory teaching practices to enhance classroom success.

EDGS922 Teaching Gifted Students

Autumn	Wollongong	Flexible
Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will identify and critically examine the current issues related to the education of gifted students. It will also prepare teachers to meet effectively the needs of such students through curriculum modification and application of special educational strategies. Topics will include: definition and identification issues; instructional models; educational strategies; creativity and thinking skills; counselling needs; special populations; and the implications of policy on educational practice.

EDGS923 Project in Gifted Education

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This subject builds on the theoretical perspectives gained from the subject, Teaching Gifted Students. It provides the opportunity for students to explore more deeply a particular issue related to policy or programming for gifted students. Students completing the project will select a topic in consultation with the lecturer. The project may take the form of a case study, a curriculum plan or an evaluation study.

EDGS924 Giftedness in Special Populations

Spring	Wollongong	Flexible
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Contact hours: 3 hrs/week x 9 This subject will critically examine the needs of special populations of students who are generally under-represented in programs for gifted children. Students will engage in analysing and evaluating alternative forms of assessment and developing appropriate strategies for curriculum design and delivery. Possible focus groups will include: Aboriginal children, ethnic minority children, low SES, girls, underachievers, preschoolers, prodigies, and students with emotional difficulties, physical or learning disabilities.

EDGS925 Project in Dual Exceptionality

Not on offer in 2010
Credit Points: 2
Pre-requisites: None

Co-requisites: None
Subject Description: This subject builds on the theoretical perspectives gained from the subject, Giftedness in Special Populations. It provides the opportunity for students to explore more deeply a particular issue related to policy or programming for gifted students with other special needs related to their gender, ethnicity, or disability. Students completing the project will select a topic in consultation with the lecturer. The project may take the form of a case study, a curriculum plan or an evaluation study

EDGT917 English Language: Learners Problems

EDU Intake Feb	Wollongong	Distance
Autumn	Wollongong	On Campus
EDU Intake May	Wollongong	Distance
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is an introduction to the nature of the English language and the typical problems experienced by non-native speakers of English. It will canvass the 'basics' of English grammar and vocabulary, from word classes (nouns, verbs, adjectives, etc) through to the structure of sentences. It is aimed primarily at those who are interested in becoming teachers of English to second language learners in Australia or abroad. It will assist participants in consolidating their own knowledge about English and in diagnosing learners' problems. This subject also intended as a guide to teaching English grammar. It is not intended as a remedial English course for participants in the subject.

EDGT920 Practicum II

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: None

EDGT922 The English Sound System

Not on offer in 2010
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: For those teaching English as a second language, a knowledge of how the English sound system works is essential, not only to help students' pronunciation but also to improve their listening, reading and writing skills. This subject will cover the pronunciation of individual sounds, combinations of sounds, stress patterns and intonation.

EDGT924 Teaching Listening to Second Language Learners

Not on offer in 2010
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. The principles of designing various assessment listening tasks will be covered.

EDGT930 Methodology in Second Language Teaching

EDU Intake Feb	Wollongong	Distance
Autumn	Wollongong	On Campus
EDU Intake May	Wollongong	Distance
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUE319
Subject Description: The subject requires students to explore their own and others' experiences of language teaching and learning and to research the general principles of language teaching, drawing on knowledge in the field of second language acquisition. The subject covers approaches to second language teaching and learning: grammar/ translation, audiolingualism, communicative language approaches and more recent task- and genre-based approaches. It also explores the theories of language and learning underpinning these and the issues in the implementation of approaches. It addresses issues of assessment, planning and curriculum design and programming in relation to teaching children, teenagers and adults in second or foreign language contexts.

EDGT931 Teaching Speaking and Listening

EDU Intake Feb	Wollongong	Distance
Autumn	Wollongong	On Campus
EDU Intake May	Wollongong	Distance
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In EDGT931 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.

EDGT932 Second Language Literacy

EDU Intake Feb	Wollongong	Distance
EDU Intake May	Wollongong	Distance
Spring	Wollongong	On Campus
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGA981, EDGT921 or EDGT925
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 adult and school contexts.

EDGT933 Practicum or Project in TESOL

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: EDGT930 or EDUE319
Exclusions: EDGT920 or EDGT937 or EDGT938
Subject Description: EDGT 933 is the practicum subject for students enrolled in the distance TESOL program. This subject will develop teachers' skills and understandings of teaching in the different sectors.

EDGT934 Teaching Pronunciation and Prosody

EDU Intake Feb	Wollongong	Distance
EDU Intake May	Wollongong	Distance
Spring	Wollongong	On Campus
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject will provide students with an understanding of the English sound system: of intonation patterns, sentence rhythm and patterns of word stress, of English phonemes and also of features of connected speech such as elision and linking. The subject will also analyse teaching strategies and the development of teaching programs. There will be topics on assessing learners' needs and developing individual and class programs to address specific pronunciation needs.

EDGT935 Teaching English in International Contexts

EDU Intake Feb	Wollongong	Distance
EDU Intake May	Wollongong	Distance
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGT928
Subject Description: In EDGT935, 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 will 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

EDGT936 Management, policy and curriculum in TESOL

EDU Intake May	Wollongong	Distance
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGT929
Subject Description: In EDGT936, students will research educational management and leadership in terms of English language teaching. The subject will address the impact of education and language policy at national/ international and local levels. It will also cover aspects of protocol and policy development in institutions, staff management and professional development, accountability and evaluation. There will also be a focus on negotiation, managing interpersonal relationships and conflict resolution. Students will explore models of curriculum development in language education and program evaluation.

EDGT937 Field Experience Project in TESOL

Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: EDUE319 or EDGT930
Exclusions: EDGT933
Subject Description: This subject is intended for students who want to get an extended experience in language teaching and learning in different contexts. The subject will be of interest to those who have little or no teaching experience and who would like to observe teaching and learning in a range of contexts (different age levels, different sectors) or those who are already experienced teachers but who would like to become familiar with different teaching contexts. It will also provide an alternative to the practicum for those who are not yet ready or who are not required to do one by employers. The subject provides an opportunity to pursue a particular area of interest in some depth. The project involves classrooms observations and an in-depth study of an identified area of interest. In completing such a project, the student will have developed a detailed understanding of a significant topic and will have had experience in applying research skills.

EDGT938 Professional Experience in TESOL

EDU Intake Feb	Wollongong	Distance
Autumn	Wollongong	Flexible
EDU Intake May	Wollongong	Distance
Spring	Wollongong	Flexible
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: EDGT930 or EDUE319
Exclusions: EDGT937or EDUE336
Subject Description: The aim of this subject is to provide a guided introduction to the classroom application of second language teaching methodology and to provide an assessed practicum which meets the teaching practice requirements of employer bodies. Students will undertake observations and

teaching ESL or EFL in primary, secondary or adult contexts, develop portfolios of work and evaluate aspects of the teaching and learning they observe

EDGT940 Materials and Technology in Second Language Teaching

EDU Intake Feb	Wollongong	Distance
EDU Intake May	Wollongong	Distance
Spring	Wollongong	On Campus
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDUE340
Subject Description: This subject is intended as a practical introduction to the selection, development, adaptation and evaluation of a range of materials and media for effective second language teaching. It will examine the nature of the materials/ technologies, including their place in the curriculum, the assumptions underlying them, and the roles of teachers and learners implied by them.

EDGT976 Text and Context

EDU Intake Feb	Wollongong	Distance
Autumn	Wollongong	On Campus
EDU Intake May	Wollongong	Distance
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to a functional approach to language, focusing on the functions that English plays in our lives and the language resources that students need to control in order to use English effectively in a range of situations. The model adopted is that of Halliday and colleagues - an approach that underpins several language syllabuses in Australia and internationally. This approach (Systemic Functional Linguistics) looks at the relationship between the texts that we use in our daily lives and the contexts in which these texts are produced. This subject also addresses the classroom applications.

EDGT983 Assessment in TESOL

EDU Intake Feb	Wollongong	Distance
EDU Intake May	Wollongong	Distance
Spring	Wollongong	On Campus
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will prepare those involved in teaching English as a Second Language to assess learners' language proficiency. Participants will be introduced to a variety of assessment approaches and techniques, ranging from informal, classroom based assessment through to high stakes formal tests. Principles of validity and reliability of assessment procedures will be addressed.

EDGT984 Theories of Second Language Learning

EDU Intake Feb	Wollongong	Distance
Autumn	Wollongong	On Campus
EDU Intake May	Wollongong	Distance
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Second language acquisition draws on theories from linguistics, cognitive psychology, psycholinguistics, sociolinguistics and education, and aims to account for processes of learning a second language. This subject is designed to provide students with a solid grounding in the issues and factors prevailing in second language acquisition. Its scope ranges from first language acquisition to different approaches to examining second language development including behaviourist, cognitive, functional, social-cultural and sociolinguistic approaches. These topics provide an appreciation of the complexity of second language learning and how successful learning may be promoted.

EDGT985 English in Specific Contexts

EDU Intake Feb	Wollongong	Distance
EDU Intake May	Wollongong	Distance
Spring	Wollongong	On Campus
EDU Intake Aug	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide an overview of the recent developments in research on English for Specific Purposes (e.g. business, academic and medical etc). It will begin with a review of the emergence of ESP, its historical background and development, and current status in the context of ESL/ EFL. This will then be followed by an introduction to discourse analysis and its relevance to ESP. Cross-cultural differences in discourse patterns will also be explored. Students will have opportunities to analyse written and spoken texts used in different ESP contexts. On the basis of the analysis, the subject will turn to a discussion of the implications for ESP course design and evaluation. Although the focus of the subject is on developing students' ability to design an effective ESP program, their engagement with discourse analysis will help heighten their awareness of the genres which might facilitate their growth as writers in academic settings.

EDGX901 Psychology for Educators

Autumn	Wollongong	Flexible
Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGS910
Subject Description: This subject explores a range of learning theories and their application in a range of educational contexts from school through to adult environments. It covers classical theories of learning and development as well as contemporary approaches that underpin educational practice. Topics include:

behaviourism; Piaget and neo-Piagetians;Vygotsky and socio-cultural accounts of learning; information processing perspectives; the relationships among language, learning and thought; and issues in the assessment of intelligence. Students will be expected to apply these theoretical perspectives to their particular specialisation.

EDGX902 Educational Sociology: Culture, Society and Education

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover contemporary themes in the sociology of education. In so doing it will pay particular attention to the ways in which globalisation, postmodernism, diversity in cultural interactions and the influence of technologies have all made for rapid and evolving changes and challenges in education. Utilising a variety of theoretical frameworks and by developing a diversity of ways of viewing the world and its impacts, this subject will assist students to understand how and what mechanisms are operating to influence education and its role and purpose in society. The subject will promote student engagement in critical reflection, creative thinking and in-depth analysis in relation to key issues pertaining to society and culture in Australian and global education contexts.

EDGX910 Researching Children

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Building on a philosophical framework based on the new sociology of childhood researching children will provide a comprehensive and practical introduction to undertaking a research project where children are the key participants. This subject will begin by introducing students to the main theories and theoretical approaches to doing research with children. The second part will support students to review past research and then consider a variety of possibilities on how to design and conduct research with children. Then in conclusion the students will consider specific contemporary issues that working with children may present and ways to overcome them. This final section will look closely at the ethics of doing research with children and the advantages and disadvantages of what being involved means for children, particularly for children who are positioned as vulnerable or in socially or culturally disadvantaged contexts.

EDGX917 International & Intercultural Perspectives in Education

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Learning and teaching is strongly influenced by international developments in education and by multicultural learning environments. Students will critically analyse issues of language policy, intercultural communication, ethnicity, culture, and power from contemporary international and intercultural perspectives. Students will explore concepts of international education, internationalisation, global education and socio-cultural contexts of teaching, including education in less industrialised regions of the world and education for minority groups.

EDGY901 Pedagogy, Practice and Play in Early Years

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject will critically examine play as a central pedagogical approach in fostering young children's development and learning. It will present a range of classical and modern theories of play and treat the topics such as child spontaneous play; types and genres of play; indoor and outdoor play; play in a range of diverse contexts; providing for enriched play environments and play-oriented curriculum; the adaptability of play to different developmental stages; play-based educational programs. Current literature will be reviewed to enhance student awareness of national and international views on play in early life.

EDGY902 Early Years Curriculum Studies

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject develops critical and evaluative awareness of many influences which impact upon curriculum within a range of early childhood settings. A range of traditional, alternative and contemporary curriculum models will be analysed for their effectiveness in inclusive early childhood education. Current literature will be reviewed to enhance student awareness of national and international curriculum models and appropriateness to the Australian early childhood context.

EDGY903 Socio-cultural Perspectives in the Early Years

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide a theoretical background and practical strategies for creating an optimal social and personal environment for young children's learning and development. Students will be studying modern socio-cultural approaches to early childhood education stemming from the theories of Dewey,Vygotsky, Bruner and Bronfenbrenner, with a focus on practical implications for the development of young children. The topics treated will include: the role of communication and language in early years; the quality of adult-child interaction; the role of family involvement and the household funds of knowledge; contextually situated practice of early childhood education; socio-cultural approach to observation and dynamic assessment; play and the development of imagination. In addition, research approaches based in socio-cultural theories will be discussed. These will include ethnographic study, action and development research.

EDGY904 Management and Leadership for Early Childhood Professionals

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine the complex responsibilities of early childhood professionals in managing, delivering and advocating for quality programs and services for young children and their families. Recognition will be given to the current context of early childhood and the need for specific skills and knowledge required by leaders in meeting organizational and broader societal aims and objectives. Change management, human resources management, powerful communication, intrapersonal/self awareness, vision-building and sharing, motivation, supervision of staff, knowledge-building and mentoring, lobbying & advocacy are key components. Safety, nutrition and the physical, social and emotional health of infants and young children plus Indigenous perspectives on health and wellbeing of young children and families will be integrated into the subject. The subject will include a focus on developing an understanding of the management, leadership and advocacy role of early childhood professionals in promoting physical, social and emotional well-being of children and staff.

EDGZ903 Minor Project in Education

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: At least 16 cp in specialisation, and EDGZ900 or EDGZ921, which can be studied concurrently.
Co-requisites: None
Exclusions: EDGA903
Subject Description: This subject is part of the research orientation in the MEd program. It enables a student to explore a research issue in a sustained piece of writing, as preparation for higher degree studies. No project work should be commenced without approval from the Program Co-ordinator or the Head of the Graduate School.

EDGZ906 Minor Project in Education

EDU Intake Feb Wollongong Distance
Autumn Wollongong Flexible
EDU Intake May Wollongong Distance
Spring Wollongong Flexible
EDU Intake Aug Wollongong Distance
EDU Intake Nov Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: EDGZ900 or EDGZ921
Exclusions: EDGZ903
Subject Description: This subject is part of the research orientation in the MEd program. It enables the students in specialisations based on 6cp subjects to explore a research issue in their specialisation in a sustained piece of writing, as preparation for higher degree studies. No project work should be commenced without approval from the Program co-ordinator or the Director of the Graduate Teaching Program.

EDGZ912 Special Research Topic

Autumn Wollongong On Campus
Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: EDGA900,EDGZ900, EDGZ921, EDGZ922 or equivalent
Co-requisites: None
Subject Description: The subject will allow students following a specific specialisation to appraise, extend and apply understanding and skills in their area of professional or academic concern. Students will be required to undertake a critical reading, review and reporting program. Some students may extend their investigation via a small field based inquiry project which will explore the related theory and program issues in a professional setting

EDGZ920 Research Project Report

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: EDGZ921
Subject Description: This subject is part of the research orientation in the MEd program. It enables the students to explore a research issue relevant to their specialisation in the form of a short report. No work in this subject should be commenced without approval from the Program co-ordinator or the Director of the Graduate Teaching Program.

EDGZ921 Introduction To Research & Inquiry

Summer 2009/
Autumn 2010 Wollongong Flexible
Autumn Wollongong On Campus
Autumn Wollongong Flexible
Spring Wollongong Flexible
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the nature of research in Education and related areas. The subject will assist students in critically appraising reported research in academic contexts such as research journals, in public contexts such as government reports, and popular contexts such as the media. It will also provide the tools to conduct small project and site-based research and evaluation studies. Specifically the subject will address questions such as: why conduct research? what constitutes 'good' research? how are methodologies and theoretical frameworks for research determined? what are the ethical implications of conducting and reporting on research? These questions will be explored through tasks and the development of a project proposal related to specialisation interests of students undertaking the subject.

EDGZ926 Professional Project

Annual Wollongong Flexible
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject takes the form of a professional project which involves students identifying issues, researching the literature for

recent information and presenting on current issues in their professional area; and the development and implementation of a project which would make a contribution to their local community of practice.

EDGZ930 Advanced Research Methods in Education

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: EDGZ922
Subject Description: This subject will examine in detail the main approaches to qualitative and quantitative research in education. From writing research questions to analysis, students will work through the following research designs: observational (including longitudinal, cross-sectional, and matched [case-control]); experimental; quasi-experimental (including group randomised trials); narrative; phenomenological; grounded theory; ethnographical; and case-study research

EDGZ931 Research Proposal

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: EDGZ924
Subject Description: This subject helps students to design and plan the study that they will undertake within the research component of their course. Topics include: identifying and articulating educational problems; developing research questions; reviewing research literature; theoretical frameworks of research; research methods and designs; practicalities of conducting research; and ethics in research.

EDGZ932 Advanced Research Seminar

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: EDGZ925
Subject Description: This subject provides students with an opportunity to plan and conduct a small project that contributes to their research study. The project is negotiated with the subject coordinator and supervisor and may include (but not limited to): the development of an intervention or intervention materials; the design and or testing of data collection instruments. Students will interact with other research students within the subject to share their ideas and learn from the project experiences of others.

EDGZ965 Vygotskian Studies in Education

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide postgraduate students with knowledge of modern perspectives on teaching and learning derived from the theory of Vygotsky. The aim of the subject is to develop understanding of the ways that the Vygotskian perspectives can be applied to conducting educational research. The theoretical perspectives treated will include: communities of practice, situated and distributed cognition, household funds of knowledge, activity theory and dynamic assessment. In addition, research methods, which are consistent with Vygotskian approach, will be discussed. These will include: ethnographic study, development research and other relevant qualitative research methods.

Faculty of Engineering

Member Units

School of Civil, Mining and Environmental Engineering

School of Engineering Physics

School of Mechanical, Materials and Mechatronic Engineering

Degrees Offered

Research

Doctor of Philosophy

Master of Engineering - Research

Master of Science – Research (Physics)

Coursework

Master of Engineering

- Civil Engineering
- Environmental Engineering
- Materials Engineering
- Mechanical Engineering
- Mining Engineering
- Mechatronics

Master of Engineering Practice

Master of Engineering Management

Master of Engineering Asset Management

Master of Professional Engineering

Master of Rolling Stock Engineering

Master of Medical Radiation Physics

Master of Science (Medical Radiation Physics)

Graduate Diploma in Engineering

Graduate Diploma in Medical Radiation Physics

Graduate Diploma in Science (Physics)

Graduate Certificate in Engineering

Graduate Certificate of Engineering Asset Management

Graduate Certificate in Rolling Stock Engineering

For tuition fee information please see the following:

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

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

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 credit points per year
Entry Requirements:	Bachelor degree in a relevant discipline with Honours Class II, Division 2 or higher
Delivery Mode:	On campus (Supervised and individual research)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	001245D

Overview

Doctor of Philosophy (PhD) candidates undertake in-depth research in order to make an original contribution to the body of knowledge in their area of interest. This qualification can lead to, or enhance, an academic career and is also highly regarded by public and private sector employers. A thesis containing the candidate's research will be presented for external examination at the end of the study.

Current research areas are listed below:

Civil Engineering

- Steel and concrete structures
- Composite steel-concrete structures
- Deepwater oil and gas riser design
- Bridge engineering
- Ecologically sustainable structural design
- Solid and rock mechanics
- Foundation engineering, including railways
- Slope stability and reliability analysis
- Soft ground improvement technology
- Reinforced earth
- Dam and embankment engineering
- Finite element and other numerical methods
- Structural dynamics
- Cementitious and advanced materials for construction
- Flood studies, hydraulics and hydrology
- Water quality engineering
- Geo-environmental studies
- Flow and sediment transport in channel junctions

Environmental Engineering

- Advanced membrane treatment processes
- Agricultural waste treatment and management
- Ballast water treatment
- Bioenergy production and bioreactors
- Electrocoagulation
- Environmental geotechnology
- Environmental hydraulics and unit processes
- Environmental pollution control modelling
- Groundwater contaminant transport and modelling
- Integrated water recycling and reuse
- Recycling and solid waste management
- Remote area water treatment with renewable energy
- Removal of trace contaminants
- Risk assessment of wastewater reuse projects
- Soil erosion and sediment transport
- Supplementary water supply systems
- Treatment and drying of residuals for reuse
- Urban water quality process and modelling

- Water quality management and modelling of catchments, rivers and lakes.

Materials Engineering

Steel Metallurgy:

- Peritectic phase transformation: mechanism and kinetics
- Development of in-situ observation techniques
- Kinetics of phase transformations in zincalume alloy systems
- Property/microstructure relationships
- Process optimisation in direct reduction of iron
- Thermo-mechanical processing, including HSLA steels
- Corrosion of steelmaking refractories
- Slag properties and behaviour

Superconducting and Electronic Materials:

- Theory and mechanism of superconductors
- Phase relation, phase evolution and chemistry of superconductors
- Single crystal growth and study of intrinsic properties
- Fabrication of bulk, wires and tapes superconductors
- Critical current density, transport mechanism and flux pinning
- Studies on structure, microstructure and stability
- Colossal magnetoresistance materials
- Spintronic materials
- High energy batteries for electric vehicles
- Solid-state rechargeable lithium batteries for telecommunication and portable electronic devices
- Developing new cathode materials for lithium-ion batteries using Australian mineral resources
- Investigation of nano-materials for use in lithium rechargeable batteries
- Composite cathode materials for lithium ion batteries using chemical coating technique
- Hydrogen storage materials
- Nickel-metal hydride batteries
- Processing of thin films
- Investigation of superconductor thin films
- Nanofabrication of novel multilayer materials
- Coated conductors
- Nanostructure of electronic materials
- Ceramic and Refractory Materials:
- Sintering kinetics
- High temperature degradation
- Extrusion of resin-bonded ceramics
- Processing of refractories
- Intelligent Polymers:
- Artificial muscles
- Chemical and physical sensors
- Electronic textiles

Polymer Materials:

- Polymer coating adhesion
- Mechanical properties of polymer coatings
- Surface properties of polymers

Nano-materials:

- Synthesis and characterisation of carbon nanotubes
- High energy ball milling
- Structure and properties of nanocrystalline materials

Welding and Joining/Surface Engineering:

- Structure and properties of welded metals
- Weld metal cracking
- Post weld heat treatment
- Weldability of creep resistant steels
- Brazing and diffusion bonding
- Fusion welding of coated steels

- Surface engineering of materials
- Wear and surface property testing
- Physical vapour deposition processing of metals
- Ion implantation
- Microwave processing of materials
- Solidification
- Welding automation
- Welding process control
- Welding fume dispersion and control
- In process monitoring
- Laser hybrid welding
- Magnetically impelled arc butt welding

Special Materials Research and Technology

- Nanostructural and high surface area materials produced by mechano-chemical methods
- Plasma assisted mechano-synthesis and processing
- Solid/solid, solid/liquid and solid/gas reaction chemistry
- Super-hard materials, glassy metals and metal matrix composites
- Synthesis of MEMS materials by advanced processing techniques
- Electric discharge assisted, rapid reduction processes
- Plasma assisted synthesis of metal hydrides
- Iron-based shape memory alloys
- Copper based shape memory alloys
- Crystallography of martensitic transformations
- Microwave synthesis of non-oxide functional ceramics
- High temperature materials processing
- Rapid solidification processing

Mechanical Engineering (includes Mechatronics)

Applied Mechanics:

- Bio-mechanics
- Solid mechanics
- Computational fluid mechanics
- Jet cooling in industrial applications
- Finite element analysis
- Natural and hybrid ventilation of buildings
- Industrial ventilation systems
- Renewable energy systems
- Wave energy conversion
- Offshore structures
- Small wind energy systems
- Mechanical engineering design
- Heavy vehicle and rail dynamics
- Railway engineering
- Rolling mill technology
- Solar thermal system analysis and design
- Solid mechanics of elastic and magneto- elastic bodies
- System identification and control
- Tribology-bearing friction and wear
- Alternative fuels
- Novel IC engines

Manufacturing and Mechatronics:

- Sensors and actuators
- Smart materials and structures
- MEMS and Nanotechnology
- Laser welding and surfacing
- Automated pipe welding
- Robotic repair technology
- Novel control of arc processes

- Virtual reality weld simulator
- Magnetic impelled arc butt-welding
- Automated QC and reliability engineering
- Chip control in automated manufacture
- Expert/knowledge system in automated machining
- Intelligent manufacturing systems
- Monitoring/diagnosis of manufacturing processes and machinery conditions
- Integrated CAD/CAM
- Maintenance management

Bulk Materials Handling:

- Prediction of bin wall loads and flow rates
- Feeding and discharging systems including pressurised systems
- Dust and fume control
- Pneumatic conveying
- Computer simulation of discrete particles
- Biomass handling and feeding systems
- Fluidisation and deaeration

Mining Engineering

- Rock mechanics
- Mine simulation, planning and design
- Mine safety and mine ventilation
- Geostatistics
- Computer applications in mining engineering

Physics

- Astronomy and astrophysics
- Observational studies of star formation
- Comparative planetology: Mars and Venus
- Asteriod and cometary mining
- Laser spectroscopy
- Scattering of light by solids
- Solid state spectroscopy of impurities in semiconductors
- Studies of electronic wave functions in solids
- Theoretical astrophysics - galaxy formation, gas dynamics
- Terahertz optoelectronics
- Spintronics
- Thermionics
- Quantum transport in nanostructures
- Resonant tunnelling
- Far-infrared spectroscopy
- Thermal transport in layered structures
- Many body theory
- Zeeman spectroscopy
- Piezo spectroscopy

Medical Radiation Physics:

- Semiconductor radiation detectors
- Radiation transport and dosimetry
- Radiation therapy
- Medical imaging and radiology
- PET and SPECT instrumentation
- High Energy Physics Detectors
- Proton Therapy

Master of Engineering - Research

Testamur Title of Degree:	Master of Engineering - Research
Abbreviation:	MEng-Res
Home Faculty:	Faculty of Engineering
Engineering Disciplines:	Civil, Environmental, Materials, Mechanical, Mechatronics, Mining
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Entry Requirements:	Relevant degree with Honours Class III or above
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1346
CRICOS Code:	042554G

Overview

The Master of Engineering degree by research is intended for engineers qualified and interested in specific engineering problems. The degree comprises a 48 credit point research thesis and 24 credit points of coursework. Coursework comprises the 6 credit point subject ENGG951 Engineering Project Management plus 18 credit points of elective subjects chosen from the relevant Master of Engineering program.

Credit for some or the entire coursework component may be granted on demonstrated research skills. Evidence of these skills would normally be a Bachelor of Engineering (Honours Class II Division 2 or better) and/or an appropriate Masters Coursework degree.

For current research areas refer to the PhD program above.

Master of Science - Research

Testamur Title of Degree:	Master of Science - Research
Abbreviation:	MSc - Res
Home Faculty:	Faculty of Engineering
Engineering School:	Engineering Physics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Entry Requirements:	Degree in Physics, or a Graduate Diploma in Science (Physics) or approved equivalent qualification
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1340
CRICOS Code:	042555F

Overview

The Master of Science degree by research equips candidates with superior skills in research design and methodology in preparation for leadership roles in their chosen field. The degree comprises a 48 credit point research thesis and 24 credit points of coursework. Credit for some, or all of the coursework component may be granted on demonstrated research skills.

Students entering with a degree below Honours Class II, Division 2 will complete the 48 credit point thesis and 24 credit point combination of subjects chosen from the remaining Graduate Subjects below, and the list of undergraduate Physics subjects. These subjects will be chosen in consultation with, and approved by the Physics Discipline Advisor.

For current research areas refer to the PhD program above.

Course Program

Subjects		Credit Points
Core Subjects		
PHYS401	Theoretical Mechanics and Electromagnetism	8
PHYS441	Advanced Astrophysics	4
PHYS444	Quantum Mechanics	8
PHYS446	Solid State Physics	8
PHYS910	Advanced Project in Physics A	6
PHYS946	Advanced Solid State Physics	6
PHYS948	Physics of Imaging	6
PHYS950	Special Topics in Physics A	8
PHYS952	Radiation and Radiotherapy Physics	8
PHYS953	Medical Imaging and Nuclear Medicine	8

PHYS954	Radiobiology and Radiation Protection	8
PHYS960	Advanced Project in Physics B	6
PHYS997	Special Topics in Physics B	6

Master of Engineering (Civil Engineering)

Testamur Title of Degree:	Master of Engineering (Civil Engineering)
Abbreviation:	MEng
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1403
CRICOS Code:	042657M

Overview

The Master of Engineering allows students to combine specialist postgraduate subjects, according to their undergraduate background, with project work. The program comprises a 24 credit point dissertation and at least 24 credit points of coursework. The dissertation typically requires rigorous research in a specialised area – normally in the area of coursework components undertaken.

Course Program

Subjects		Credit Points
Core Subject		
ENGG945	Dissertation	24
Elective Subjects		

Four 6 credit point 900-level subjects to be agreed with the Head of School of Civil, Mining and Environmental.

Engineering (or delegated Discipline Advisor), taken primarily from the School and/or ENGG subjects.

Note: Not all subjects may be available in any one year – refer Subject Listing.

Master of Engineering (Environmental Engineering)

Testamur Title of Degree:	Master of Engineering (Environmental Engineering)
Abbreviation:	MEng
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1403
CRICOS Code:	042657M

Overview

The Master of Engineering allows students to combine specialist postgraduate subjects, according to their undergraduate background, with project work. The program comprises a 24 credit point dissertation and at least 24 credit points of coursework. The dissertation typically requires rigorous research in a specialised area – normally in the area of coursework components undertaken.

Course Program

Subjects		Credit Points
Core Subject		
ENGG945	Dissertation	24
Elective Subjects		

Four 6 credit point 900 level subjects to be agreed with the Head of School of Civil, Mining and Environmental Engineering (or delegated Discipline Advisor), taken primarily from subjects in the School of Civil, Mining and Environmental Engineering and/or ENGG subjects.

Note: Not all subjects may be available in any one year – refer Subject Listing.

Master of Engineering (Materials Engineering)

Testamur Title of Degree:	Master of Engineering (Materials Engineering)
Abbreviation:	MEng
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1403
CRICOS Code:	042657M

Overview

The Master of Engineering allows students to combine specialist postgraduate subjects, according to their undergraduate background, with project work. The program comprises a 24 credit point dissertation and at least 24 credit points of coursework. The dissertation typically requires rigorous research in a specialised area – normally in the area of coursework components undertaken.

Course Program

Subjects		Credit Points
Core Subject		
ENGG945	Dissertation	24
Elective Subjects		

Four 6 credit point 900 level subjects to be agreed with the Head of School of Mechanical, Materials and Mechatronics Engineering (or delegated Discipline Advisor), taken primarily from the School of Mechanical, Materials and Mechatronics Engineering subjects and/or ENGG subjects

Note: Not all subjects may be available in any one year – refer Subject Listing.

Master of Engineering (Mechanical Engineering)

Testamur Title of Degree:	Master of Engineering (Mechanical Engineering)
Abbreviation:	MEng
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1403
CRICOS Code:	042657M

Overview

The Master of Engineering allows students to combine specialist postgraduate subjects, according to their undergraduate background, with project work. The program comprises a 24 credit point dissertation and at least 24 credit points of coursework. The dissertation typically requires rigorous research in a specialised area – normally in the area of coursework components undertaken.

Course Program

Subjects		Credit Points
Core Subject		
ENGG945	Dissertation	24
Elective Subjects		

Four 6 credit point 900 level subjects to be agreed with the Head of School of Mechanical, Materials and Mechatronics Engineering (or delegated Discipline Advisor), taken primarily from the School of Mechanical, Materials and Mechatronics Engineering subjects and/or ENGG subjects.

Note: Not all subjects may be available in any one year – refer Subject Listing.

Master of Engineering (Mining Engineering)

Testamur Title of Degree:	Master of Engineering (Mining Engineering)
Abbreviation:	MEng
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1403
CRICOS Code:	042657M

Overview

The Master of Engineering allows students to combine specialist postgraduate subjects, according to their undergraduate background, with project work. The program comprises a 24 credit point dissertation and at least 24 credit points of coursework. The dissertation typically requires rigorous research in a specialised area – normally in the area of coursework components undertaken.

Course Program

Subjects		Credit Points
Core Subject		
ENGG945	Dissertation	24
Elective Subjects		

Four 6 credit point 900 level subjects to be agreed with the Head of School of Civil, Mining and Environmental Engineering (or delegated Discipline Advisor), taken primarily from School of Civil, Mining and Environmental Engineering subjects and/or ENGG subjects.

Note: Not all subjects may be available in any one year – refer Subject Listing.

Master of Engineering (Mechatronics)

Testamur Title of Degree:	Master of Engineering (Mechatronics)
Abbreviation:	MEng
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1403
CRICOS Code:	042657M

Overview

The Master of Engineering allows students to combine specialist postgraduate subjects, according to their undergraduate background, with project work. The program comprises a 24 credit point dissertation and at least 24 credit points of coursework. The dissertation typically requires rigorous research in a specialised area – normally in the area of coursework components undertaken.

Course Program

Subjects		Credit Points
Core Subject		
ENGG945	Dissertation	24
Elective Subjects		

Four 6 credit point 900 level subjects to be agreed with the Head of School of Mechanical, Materials and Mechatronics Engineering (or delegated Discipline Advisor), taken primarily from School of Mechanical, Materials and Mechatronics Engineering subjects and/or ECTE or ENGG subjects.

Note: Not all subjects may be available in any one year – refer Subject Listing.

Master of Engineering Practice

Testamur Title of Degree:	Master of Engineering Practice
Abbreviation:	MEngPrac
Home Faculty:	Faculty of Engineering
Engineering Discipline:	Refer to Engineering streams below
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	A four year Bachelor of Engineering degree
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	590
CRICOS Code:	020204M

Overview

The Master of Engineering Practice has been designed to meet the needs of engineering leaders of the future. This program allows practicing engineers to build on, update and acquire additional knowledge in areas not covered in their first degree.

This is a 48 credit point program. The core program comprises four, 6 credit point subjects. The remaining 24 credit points can be selected from the Engineering Postgraduate subject list.

With approval of the Course Advisor, students can undertake a 12 credit point dissertation as part of the elective subjects. The dissertation, ENGG940 Dissertation, is a research project allowing students to pursue a particular area in depth. The dissertation develops skills in information retrieval, project planning and organisation analysis, problem solving, and effective communication of results.

Where insufficient subjects are offered in a particular stream and/or where students are not able to provide assumed knowledge for available electives, the Course Advisor may substitute ENGG subjects, providing at least three subjects are taken from the stream under consideration.

Course Program

Subjects		Credit Points
Core Subjects		
ENGG950	Innovation and Design	6
ENGG951	Engineering Project Management	6
ENGG952 or	Engineering Computing	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG954	Strategic Management for Engineers and Technologists	6
Elective Subjects – Asset Management		
ENGG944	Infrastructure Decision Support	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
ENGG957	Project Implementation and Outsourcing	6
ENGG958	Life-Cycle and Risk Management	6
ENGG960	Maintenance Requirements Analysis	6
ENGG961	Systems Reliability Engineering	6
Elective Subjects – Civil Engineering		
CIVL904	Highway Materials	6
CIVL909	Advanced Foundation Engineering	6
CIVL912	Engineering Hydrology	6
CIVL916	Research Topics in Civil Engineering	6
CIVL980	Advanced Computer Applications	6
CIVL981	Special Topic A	6
ENVE929	Site Contamination and Remediation Technologies	6
Elective Subjects – Environmental Engineering		
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
ENVE923	Industrial Waste Engineering and Cleaner Production	6
ENVE924	Solid and Hazardous Waste Management	6
ENVE925	Water Quality Engineering and Management	6

ENVE926	Air and Noise Pollution Management	6
ENVE927	Environmental Engineering Processes Design	6
ENVE928	Design or Urban Water Systems	6
ENVE929	Site Contamination and Remediation Technologies	6
ENVE930	Coastal, River and Groundwater Engineering	6
ENVE931	Membrane Processes and Applications	6
MECH979	Sustainable Transport and Engine Technology	6
Elective Subjects – Manufacturing Engineering		
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MECH934	Advanced Manufacturing Processes	6
MECH935	Integrated Manufacturing Systems	6
MECH949	Advanced Computer Control of Machines and Processes	6
MECH950	Advanced Robotics	6
TBS 908	Supply Chain Management	6
TBS 926	Manufacturing Management	6
Elective Subjects – Materials Engineering		
ENGG909	The Science of Materials	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MATL903	Recent Developments in Materials	6
MATL905	Engineering Alloys	6
MATL906	Ceramic Materials	6
MATL907	Polymeric Materials	6
MATL913	Structural Analysis of Materials	6
MATL952	Corrosion, Wear and Fatigue	6
MATL938	Casting and Forming	6
MATL972	Selection and Design of Materials	6
Elective Subjects – Mechanical Engineering		
ENGG941	Sustainability for Engineers, Scientists and Professionals	6
ENGG948	Sustainable Energy Technologies	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MECH913	Pneumatic Transport of Bulk Solids	6
MECH918	Sustainable Energy in Buildings	6
MECH919	Advanced Topics in Mechanical Engineering 1	6
MECH928	Finite Element Techniques in Mechanical Engineering	6
MECH934	Advanced Manufacturing Processes	6
MECH935	Integrated Manufacturing Systems	6
MECH949	Advanced Computer Control of Machines and Processes	6
MECH950	Advanced Robotics	6
MECH979	Sustainable Transport and Engine Technology	6
MECH980	Automotive Dynamics	6
Elective Subjects – Mechatronic Engineering		
ECTE912	DC-Sourced Power Electronics	6
ECTE925	Industrial Drives and Actuators	6
ECTE931	Real-time Computing	6
ECTE941	Intelligent Control	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MECH935	Integrated Manufacturing Systems	6
MECH939	Advanced Topics in Mechatronic Engineering	6
MECH941	Micro/Nano Robotic Systems	6
MECH949	Advanced Computer Control of Machines and Processes	6
MECH950	Advanced Robotics	6
MECH980	Automotive Dynamics	6
Elective Subjects – Mining Engineering		
MINE902	Advanced Studies in Mining Engineering	6
MINE903	Simulation of Mining Operations and Problems	6
MINE904	Rock Mechanics	6
MINE905	Environmental Control in Mines	6
MINE906	Mining Engineering Techniques	6
MINE916	Mineral Valuation, Risk Analysis	6
ENVE929	Site Contamination and Remediation Technologies	6

Note: Not all subjects available in any one year – refer Subject Listing.

Subjects may require prior knowledge. Students MUST consult with the Schools and Subject Coordinators concerned and obtain agreement prior to enrolment.

Master of Engineering Management

Testamur Title of Degree:	Master of Engineering Management
Abbreviation:	MEngMgmt
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	A Bachelor of Engineering degree or other qualifications together with at least 4 years' experience in a senior management position will be considered
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1506
CRICOS Code:	051350M

Overview

The Master of Engineering Management is aimed at Engineers and others who see their careers progressing into management. The course provides them with a very strong grounding in some of the most modern management thinking that is applicable to the Engineering and Manufacturing industries. Graduates of this degree will become empowered to work in teams and understand managers from other disciplines including finance, human resources and marketing. They will be equipped to advance their careers into senior managerial positions.

This is a 48 credit point program. The core program comprises five 6 credit point subjects. The remaining 18 credit points can be selected from the elective subjects listed below.

Course Program

Subjects		Credit Points
Core Subjects		
ENGG950	Innovation and Design	6
ENGG951	Engineering Project Management	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG954	Strategic Management for Engineers and Technologists	6
ENGG956	Financial Management for Engineered Assets	6
Elective Subjects		
BUSS907	Fundamentals of e-Business★	6
BUSS927	Human Computer Interaction★	6
BUSS952	Strategic Information Systems Management★	6
ENGG937	Special Topic in Engineering Management	6
ENGG941	Sustainability for Engineers, Scientists and Professionals	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG960	Maintenance Requirements Analysis	6
ENGG961	Systems Reliability Engineering	6
MARK922	Marketing Management★	6
MGMT911	Organisational Behaviour★	6
MGMT915	Management of Change★	6
MGMT940	Innovation and Entrepreneurship★	6
MGMT963	Management of Occupational Health and Safety★	6
MGMT978	Cross Cultural Management★	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6
TBS 908	Supply Chain Management	6
TBS 950	Quality Management	6

★ Subjects may require prior knowledge. Students should not enrol in these subjects without consultation and approval of the lecturer(s) concerned.

Credit Towards Other Courses

Students who successfully complete the Master of Engineering Management may apply for entry in to either the Master of Engineering Practice (Double Major) or the Master of Business Administration.

To complete the Master of Engineering Practice (Double Major), students will be granted the major in Engineering Management and will be required to complete a further 36 credit points including an additional major study to complete the course.

To complete the Master of Business Administration, candidates will be required to complete a further six specified subjects (36 credit points) as determined by the Graduate Studies Advisor.

Master of Engineering Asset Management

Testamur Title of Degree:	Master of Engineering Asset Management
Abbreviation:	MEngAssetMgmt
Home Faculty:	Faculty of Engineering
Engineering Discipline:	Mechanical Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	A Bachelor of Engineering degree from a recognised tertiary institution
Delivery Mode:	Modular
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1561
CRICOS Code:	N/A

Overview

The objective of the program is to ensure continuous improvement in the strategic and tactical response of organisations and their managers to the management of infrastructure assets.

The program provides the knowledge to organise and manage engineered asset costs effectively. From a strategic framework, students progressively address problems in designing and managing assets. This is achieved through a balanced program of subjects in asset management science and engineering, business administration and management and industrial engineering, with emphasis on practical applications. Students learn concepts and techniques by evaluating potential solutions to challenges faced by organisations.

This is a 48 credit point program. The core program comprises six 6 credit point subjects. The remaining 12 credit points can be either two 6 credit point elective subjects from the list below or one 12 credit point dissertation.

Course Program

Subjects		Credit Points
Core Subjects		
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
ENGG957	Project Implementation and Outsourcing	6
ENGG958	Life-Cycle and Risk Management	6
ENGG960	Maintenance Requirements Analysis	6
ENGG961	Systems Reliability Engineering	6
Elective Subjects		
ENGG959	Asset Management System Design	6
TBS 903	Managing People in Organisations	6
Or		
ENGG940	Dissertation	12

Master of Professional Engineering

Testamur Title of Degree:	Master of Professional Engineering
Abbreviation:	MPE
Home Faculty:	Faculty of Engineering
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Entry Requirements:	Bachelor of Engineering degree, minimum duration 4 years
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1605
CRICOS Code:	067079A

Overview

The Master of Professional Engineering is designed to provide graduates with practical professional practice, advanced technical skills, organisational and management skills and provides an opportunity for industrial experience or research.

Students will gain knowledge in a variety of areas, such as Australian professional engineering practice, sustainability, environmental economics and occupational health and safety. Students will also gain skills in innovative problem solving techniques; ability to manage engineering projects; sound knowledge of state-of-the-art engineering computing and IT applications; appreciation of financial management systems. Graduates will have the potential to take up responsible middle management roles in engineering in Australia and elsewhere.

The study program consists of three stages:

- Core Professional Development (42 credit points)
- Professional Options (18 credit points)
- Major – Technical Enhancement (36 credit points)

Course Program

Subjects		Credit Points
Core Subjects		
ENGG941	Sustainability for Engineers, Scientists and Professionals	6
ENGG942	Professional Practice	12
ENGG950	Innovation and Design	6
ENGG951	Engineering Project Management	6
ENGG952	Engineering Computing	6
ENGG954	Strategic Management for Engineers and Technologists	6
Professional Options 1		
ENGG943	Engineering Professional Placement*	6
ENGG940	Research Dissertation	12
Professional Options 2		
ENGG943	Engineering Professional Placement*	6
PLUS	Two subjects from Master of Engineering Management degree	12
Professional Options 3		
ENGG940	Research Dissertation	12
PLUS	One subject from Master of Engineering Management degree	6
Major – 36 credit points from one of the following majors		
Asset Management		
ENGG944	Infrastructure Decision Support	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
ENGG957	Project Implementation and Outsourcing	6
ENGG958	Life-Cycle and Risk Management	6
ENGG960	Maintenance Requirements Analysis	6
ENGG961	Systems Reliability Engineering	6
Civil Engineering		
CIVL904	Highway Materials	6
CIVL909	Advanced Foundation Engineering	6
CIVL912	Engineering Hydrology	6
CIVL916	Research Topics in Civil Engineering	6
CIVL980	Advanced Computer Applications	6
CIVL981	Special Topic A	6
ENVE929	Site Contamination and Remediation Technologies	6
Environmental Engineering		
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
ENVE923	Industrial Waste Engineering and Cleaner Production	6
ENVE924	Solid and Hazardous Waste Management	6
ENVE925	Water Quality Engineering and Management	6
ENVE926	Air and Noise Pollution Management	6
ENVE927	Environmental Engineering Processes Design	6
ENVE928	Design or Urban Water Systems	6
ENVE929	Site Contamination and Remediation Technologies	6
ENVE930	Coastal, River and Groundwater Engineering	6
ENVE931	Membrane Processes and Applications	6
MECH979	Sustainable Transport and Engine Technology	6
Materials Engineering		
ENGG909	The Science of Materials	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MATL903	Recent Developments in Materials	6
MATL905	Engineering Alloys	6
MATL906	Ceramic Materials	6

MATL907	Polymeric Materials	6
MATL913	Structural Analysis of Materials	6
MATL952	Corrosion, Wear and Fatigue	6
MATL938	Casting and Forming	6
MATL972	Selection and Design of Materials	6
Mechanical Engineering		
ENGG941	Sustainability for Engineers, Scientists and Professionals	6
ENGG948	Sustainable Energy Technologies	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MECH913	Pneumatic Transport of Bulk Solids	6
MECH918	Sustainable Energy in Buildings	6
MECH919	Advanced Topics in Mechanical Engineering 1	6
MECH928	Finite Element Techniques in Mechanical Engineering	6
MECH934	Advanced Manufacturing Processes	6
MECH935	Integrated Manufacturing Systems	6
MECH949	Advanced Computer Control of Machines and Processes	6
MECH950	Advanced Robotics	6
MECH979	Sustainable Transport and Engine Technology	6
MECH980	Automotive Dynamics	6
Mechatronic Engineering		
ECTE912	DC-Sourced Power Electronics	6
ECTE925	Industrial Drives and Actuators	6
ECTE931	Real-time Computing	6
ECTE941	Intelligent Control	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MECH935	Integrated Manufacturing Systems	6
MECH939	Advanced Topics in Mechatronic Engineering	6
MECH941	Micro/Nano Robotic Systems	6
MECH949	Advanced Computer Control of Machines and Processes	6
MECH950	Advanced Robotics	6
MECH980	Automotive Dynamics	6
Mining Engineering		
MINE902	Advanced Studies in Mining Engineering	6
MINE903	Simulation of Mining Operations and Problems	6
MINE904	Rock Mechanics	6
MINE905	Environmental Control in Mines	6
MINE906	Mining Engineering Techniques	6
MINE916	Mineral Valuation, Risk Analysis	6
MINE918	Commodity Analysis	6

* Students must qualify to enrol in this subject, please see the Course Coordinator.

Master of Rolling Stock Engineering

Testamur Title of Degree:	Master of Rolling Stock Engineering
Abbreviation:	MRSE
Home Faculty:	Faculty of Engineering
Duration:	2 years part-time (no full-time option)
Total Credit Points:	48
Entry Requirements:	A Bachelor degree in engineering from a recognised tertiary institution. Applicants without a Bachelor degree in engineering may be considered based on other qualifications together with relevant work experience.
Delivery Mode:	Self-directed learning
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1573

Overview

The Master of Rolling Stock Engineering is designed for engineers wanting to develop their knowledge in rolling stock engineering. The majority of students are employed in the rail industry however a support program is available to students without industry contact. This course has been developed in collaboration with industry and provides a structured approach to learning and development. Students will learn from industry experts and will be provided with invaluable networking opportunities. The delivery method is perfect for professionals working full-time and allows students to study at a time that best suits them.

For more information, please refer to the Rolling Stock website: http://www.uow.edu.au/eng/UOW063707.html

Course Program

Subjects		Credit Points
Part 1		
ENGG924	Railway and rolling stock environment	6
ENGG925	Rail Motive Power	6
ENGG926	Rail vehicle design	6
ENGG927	Rolling stock safety and braking systems	6
Part 2		
ENGG928	Rolling stock dynamics and bogies	6
ENGG929	Rolling stock construction maintenance and design	6
ENGG940	Dissertation (in rolling stock engineering) equivalent to two subjects	12

Master of Medical Radiation Physics

Testamur Title of Degree:	Master of Medical Radiation Physics
Abbreviation:	MMedRadPhys
Home Faculty:	Faculty of Engineering
Engineering School:	Engineering Physics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	Completion of Bachelor of Science or equivalent with Physics as a major study
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1545
CRICOS Code:	035592D

Overview

Candidates who have completed a Bachelors degree which did not include a relevant major study will be required to complete additional subjects in Physics as outlined in the Masters Degree regulations. Students who have completed the Bachelor of Medical Radiation Physics from the University of Wollongong, or equivalent specialist course, would be advised to enrol in a Medical Radiation Physics research program. The course consists of a research project and four subjects.

Course Program

Subjects		Credit Points
Core Subjects		
PHYS951	Medical Physics Research Project	18
PHYS952	Radiation and Radiotherapy Physics	8
PHYS953	Medical Imaging and Nuclear Medicine	8
PHYS954	Radiobiology and Radiation Protection	8
GHMB927	An Introduction to Human Anatomy and Physiology	6

Student Income Support

In 2007, the Department of Education, Employment and Workplace Relations (DEEWR) announced that it has made provisions to extend student income support (Austudy and Youth Allowance) to students undertaking professionally oriented masters programmes.

The Master of Medical Radiation Physics has been approved by DEEWR as an eligible Masters programme for Student Income Support.

Students who have queries about their income support eligibility should contact Centrelink on 13 2490 for further information.

Master of Science (Medical Radiation Physics)

Testamur Title of Degree:	Master of Science (Medical Radiation Physics)
Abbreviation:	MSc(MedRadPhys)
Home Faculty:	Faculty of Engineering
Engineering School:	Engineering Physics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Entry Requirements:	Completion of Bachelor of Science or equivalent
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1603
CRICOS Code:	067176M

Overview

The Master of Science (Medical Radiation Physics) is a program for graduates with a minimal physics background who wish to work in public health and related areas, who have a need for current knowledge and technical expertise in Medical Radiation Physics.

Course Program

An applied research project under the supervision of professional medical physicists is selected from one of the current research fields:

- Nuclear Medicine
- Medical Imaging
- Instrumentation and Imaging Physics
- Radiation Protection
- Diagnostic Radiology
- Radiotherapy
- Radiobiology

In addition to the research project, the program also comprises twelve coursework subjects:

Subjects		Credit Points
1st Year		
MATH201	Multivariate and Vector Calculus	6
PHYS205	Advanced Modern Physics	6
PHYS952	Radiation and Radiotherapy Physics	8
GHMB927	An Introduction to Human Anatomy and Physiology	6
MATH202	Applied Differential Equations	6
PHYS225	Electromagnetism and Optoelectronics	6
PHYS255	Radiation Physics	6
PHYS375	Nuclear Physics	6
2nd Year		
PHYS305	Quantum Mechanics	6
PHYS325	Electromagnetism	6
PHYS954	Radiobiology and Radiation Protection	8
PHYS953	Medical Physics Research Project	8
PHYS951	Medical Physics Research Project	18

Graduate Diploma in Engineering

Testamur Title of Degree:	Graduate Diploma in Engineering
Abbreviation:	GDipEng
Home Faculty:	Faculty of Engineering
Engineering Disciplines:	Civil, Environmental, Materials, Mechanical, Mining
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	A Bachelor of Engineering degree or tertiary qualifications plus exceptional professional engineering work experience may be considered in special circumstances.
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	649
CRICOS Code:	009237F

Overview

The Graduate Diploma in Engineering is intended to provide specialised studies in Engineering if studying a different discipline for the first time. This course will allow a basic working knowledge of either, Civil, Mining, Environmental, Mechanical, Mechatronic or Materials Engineering.

Students complete 48 credit points of subjects in their chosen discipline area:

Subjects		Credit Points
Civil Engineering		
Core Subjects		
CIVL311	Structural Design 1	6
CIVL314	Structural Design 2	6
CIVL352	Structures 1	6
CIVL361	Geomechanics 1	6
CIVL454	Structures 2	6
CIVL909	Advanced Foundation Engineering	6
CIVL912	Engineering Hydrology	6
Plus one subject from electives below		
CIVL245	Construction Materials	6
CIVL272	Surveying	6
CIVL394	Construction	6
CIVL444	Civil Engineering Design	6
CIVL904	Highway Materials	6
Environmental Engineering		
ENVE923	Industrial Waste Engineering and Cleaner Production	6
ENVE925	Water Quality Engineering and Management	6
ENVE926	Air and Noise Pollution Management	6
ENVE927	Environmental Engineering Processes	6
ENVE928	Design of Urban Water Systems	6
ENVE929	Site Contamination and Remediation Technologies	6
ENGG931	Membrane Processes and Applications	6
ENGG948	Sustainable Energy Technologies	6
Mining Engineering		
MINE902	Advanced Studies in Mining Engineering	6
MINE903	Simulation of Mining Operations and Problems	6
MINE904	Rock Mechanics	6
MINE905	Environmental Control in Mines	6
MINE906	Mining Engineering Techniques	6
MINE916	Mineral Valuation and Risk Analysis	6
MINE422	Mine Planning and Development	6
MINE434	Special Topics in Mining Engineering	6
Mechanical Engineering		
ENGG948	Sustainable Energy Technologies	6
MECH928	Finite Element Techniques in Mechanical Engineering	6
MECH934	Advanced Manufacturing Processes	6
MECH979	Sustainable Transport and Engine Technology	6
MECH321	Dynamics of Engineering Systems	6
MECH311	Mechanical Engineering Design	6
MECH365	Control of Machines and Processes	6
MECH431 or	Computational Fluid Dynamics	6
MECH341	Thermodynamics of Engineering Systems	6

Materials Engineering

Core Subjects

ENGG909	The Science of Materials	6
MATL905	Engineering Alloys	6
MATL906	Ceramic Materials	6
MATL907	Polymeric Materials	6
MATL952	Performance of Materials B	6
MATL972	Selection and Design of Materials	6

Plus two subjects from electives below

MATL903	Recent Developments in Materials	6
MATL932	Surface Engineering of Materials	6
MATL937	Process Metallurgy	6

Mechatronic Engineering

For students with Mechanical Engineering background

CSCI191	Engineering Programming 1	6
ECTE233	Digital Hardware 1	6
ECTE301	Digital Signal Processing 1	6
ECTE202	Circuits and Systems	6
ECTE203	Signals and Systems	6
ECTE323	Power Engineering 2	6
MECH950	Advanced Robotics	6
ECTE212	Electronics	6

For students with Electrical Engineering background

ENGG251	Mechanics of Solids	6
MECH382	Manufacturing Engineering	6
MECH340	Fluid Dynamics and Heat Transfer	6
MECH321	Dynamics of Engineering Systems	6
ENGG152	Engineering Mechanics	6
MECH215	Fundamentals of Machine Component Design	6
MECH226	Machine Dynamics	6
MECH311	Mechanical Engineering Design	6

For students with other Engineering background

Core Subjects

CSCI191	Engineering Programming 1	6
ECTE233	Digital Hardware 1	6
MECH321	Dynamics of Engineering Systems	6
MECH382 or	Manufacturing Engineering Principles	6
MECH372	Solids Handling and Process Engineering	6

Plus two MECH and two ECTE subjects from electives below

MECH215	Fundamentals of Machine Component Design	6
MECH226	Machine Dynamics	6
MECH365	Control of Machines and Processes	6
MECH950	Advanced Robotics	6
ECTE203	Signals and Systems	6
ECTE212	Electronics	6
ECTE323	Power Engineering 2	6
ECTE202	Circuits and Systems	6

Graduate Diploma Medical Radiation Physics

Testamur Title of Degree:	Graduate Diploma Medical Radiation Physics
Abbreviation:	GDipMRP
Home Faculty:	Faculty of Engineering
Engineering School:	Engineering Physics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	A pass Bachelor degree of at least three years' duration in a relevant discipline
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	676
CRICOS Code:	052460G

Overview

This Graduate Diploma is based on the coursework component of the Master of Medical Radiation Physics; it allows students to complete the formal coursework necessary for Australasian College of Physical Scientists and Engineers in Medicine (ACPSEM) accreditation separately from the research component.

The Graduate Diploma program has been accepted by ACPSEM as leading towards accreditation as a professional medical physicist. The Graduate Diploma is not accredited by ACPSEM.

Students must consult the Medical Radiation Physics Discipline Adviser for admission to the course. Forty eight (48) credit points are to be chosen from the following list in consultation with the Physics Discipline Advisor.

Course Program

Subjects		Credit Points
Core Subjects		
PHYS255	Radiation Physics	6
GMBH927	An Introduction to Human Anatomy and Physiology	6
PHYS952	Radiation and Radiotherapy Physics	8
PHYS953	Medical Imaging and Nuclear Medicine	8
PHYS954	Radiobiology and Radiation Protection	8

Plus 2 electives from the Physics undergraduate program or 900-level Physics subjects.

Graduate Diploma in Science (Physics)

Testamur Title of Degree:	Graduate Diploma in Science (Physics)
Abbreviation:	GDipSc
Home Faculty:	Faculty of Engineering
Engineering School:	Engineering Physics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Entry Requirements:	A pass Bachelor degree of at least three years' duration in a relevant discipline.
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	683
CRICOS Code:	002363A

Overview

This course is designed to provide:

1. a Masters qualifying course for students who have inadequate preparation for direct entry into the Masters by Research program;
2. an opportunity for Science teachers who have a degree, but have taken Physics to first or second year level only, to improve their understanding and horizons in Physics;
3. an opportunity for international students and students without a full major in Physics to update their knowledge of Physics.

Students must consult the Physics Discipline Adviser for admission to the course. Forty eight (48) credit points are to be chosen from the following list in consultation with the Physics Discipline Advisor.

Course Program

Subjects		Credit Points
Core Subjects		
PHYS205	Advanced Modern Physics	6
PHYS215	Vibrations, Waves and Optics	6
PHYS233	Introduction to Environmental Physics	6
PHYS235	Mechanics and Thermodynamics	6
PHYS255	Radiation Physics	6
PHYS295	Astronomy - Concepts of the Universe	6
MATH201	Multivariate and Vector Calculus *	6
MATH202	Applied Differential Equations *	6
MATH283	Mathematics 2E for Engineers Part 1	6
PHYS305	Quantum Mechanics *	6
PHYS325	Electromagnetism *	6
PHYS335	Classic Mechanics *	6
PHYS365	Detection of Radiation: Neutrons, Electrons and X-Rays	6
PHYS375	Nuclear Physics	6
PHYS385	Statistical Mechanics *	6
PHYS390	Astrophysics	6
PHYS401	Theoretical Mechanics and Electromagnetism	8
PHYS441	Advanced Astrophysics	4
PHYS444	Quantum Mechanics	8
PHYS446	Solid State Physics	8
PHYS452	Medical Imaging	8
PHYS453	Radiobiology and Radiation Protection	8
PHYS456	Imaging Physics	8
PHYS910	Advanced Project in Physics A	6
PHYS947	Special Topics in Physics A	6
PHYS948	Physics of Imaging	6
PHYS960	Advanced Project in Physics B	6
PHYS990	Applied Physics Project	24
PHYS997	Special Topics in Physics B	6

Note: Starred subjects are pre- and co-requisites of some of the Physics subjects.

Graduate Certificate in Engineering

Testamur Title of Degree:	Graduate Certificate in Engineering
Abbreviation:	GCertEng
Home Faculty:	Faculty of Engineering
Duration:	6 months full-time or 1 year part-time
Total Credit Points:	24
Entry Requirements:	A Bachelor of Engineering degree from a recognised tertiary institution.
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	695
CRICOS Code:	N/A

Overview

This program is designed for those wishing to undertake a short program in Engineering. Other qualifications, together with relevant professional experience, will be considered.

On completion of the Graduate Certificate, students can apply to transfer to the Master of Engineering Practice.

Course Program

Subjects		Credit Points
Core Subjects		
ENGG950	Innovation and Design	6
ENGG951	Engineering Project Management	6
ENGG952	Engineering Computing	6

Plus one elective subject from one of the Master of Engineering Practice programs.

Graduate Certificate of Engineering Asset Management

Testamur Title of Degree:	Graduate Certificate of Engineering Asset Management
Abbreviation:	GCertEngAssetMgmt
Home Faculty:	Faculty of Engineering
Duration:	6 months full-time or 1 year part-time
Total Credit Points:	24
Entry Requirements:	A Bachelor of Engineering degree from a recognised tertiary institution
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1153
CRICOS Code:	N/A

Overview

This course is designed for those wishing to undertake a short program in Engineering Asset Management. On completion of the Graduate Certificate, students can apply to transfer to the Master of Engineering Asset Management.

This is a 24 credit point program. The core program comprises three 6 credit point subjects. The remaining 6 credit points can be from the Master of Engineering Asset Management core or elective list.

Course Program

Subjects		Credit Points
Core Subjects		
ENGG958	Life-Cycle and Risk Management	6
ENGG960	Maintenance Requirements Analysis	6
ENGG961	Systems Reliability Engineering	6
Plus one elective		6

Master of Engineering Asset Management

Testamur Title of Degree:	Master of Engineering Asset Management
Abbreviation:	MEngAssetMgmt
Home Faculty:	Faculty of Engineering
Engineering Discipline:	Mechanical Engineering
Duration:	2 years part-time (no full time option)
Total Credit Points:	48
Entry Requirements:	A Bachelor degree in engineering from a recognised tertiary institution. Applicants without a Bachelor degree in engineering may be considered based on other qualifications together with relevant work experience.
Delivery Mode:	Flexible delivery methods
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1561
CRICOS Code:	054039E

Overview

The objective of the program is to ensure continuous improvement in the strategic and tactical response of organisations and their managers to the management of infrastructure assets. This course provides the knowledge to organise and manage engineered asset costs effectively. From a strategic framework, students progressively address problems in designing and managing assets, and learn concepts and techniques by evaluating potential solutions to challenges faced by organisations. A number of delivery formats can be made available to suit a range of needs. This course has been developed in collaboration with industry and is delivered by leading academics, ensuring the content is relevant and up-to-date.

For more information, please refer to the Engineering Asset Management website: http://www.uow.edu.au/eng/UOW063708.html

Course Program

This is a 48 credit point program. The core program comprises six 6 credit point subjects. The remaining 12 credit points can be either two 6 credit point elective subjects from the list below or one 12 credit point dissertation.

Subjects		Credit Points
Core Subjects		
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6

ENGG957	Project Implementation and Outsourcing	6
ENGG958	Life-Cycle and Risk Management	6
ENGG960	Maintenance Requirements Analysis	6
ENGG961	Systems Reliability Engineering	6
Elective Subjects		
ENGG944	Infrastructure Decision Support	6
ENGG959	Asset Management System Design	6
TBS 903	Managing People in Organisations	6
Or		
ENGG940	Dissertation	12

Graduate Certificate in Rolling Stock Engineering

Testamur Title of Degree:	Graduate Certificate in Rolling Stock Engineering
Abbreviation:	GCertRSE
Home Faculty:	Faculty of Engineering
Duration:	1 year part-time (no full-time option)
Total Credit Points:	24
Entry Requirements:	A Bachelor of Engineering degree from a recognised tertiary institution
Delivery Mode:	Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1160
CRICOS Code:	N/A

Overview

This course is designed for those wishing to undertake a short program in Rolling Stock Engineering. On completion of the Graduate Certificate, students can apply to transfer to the Master of Rolling Stock Engineering.

Course Program

This is a 24 credit point program. The core program comprises four 6 credit point subjects.

Subjects		Credit Points
Core Subjects		
ENGG924	Railway and Rolling Stock Environment	6
ENGG925	Rail Motive Power	6
ENGG926	Rail Vehicle Design	6
ENGG927	Rolling Stock Safety and Braking Systems	6

SUBJECT DESCRIPTIONS

CIVL899 Advanced Topics in Engineering

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisites: None
Subject Description: Students will normally take a selection of topics at advanced level from the following: computer aided analysis and design; computer methods; concrete design; civil engineering materials; finite element techniques; hydrology; hydraulics; numerical techniques; reliability; rock mechanics, soil mechanics; simulation; structural analysis and design; structural topology; town planning; traffic planning; traffic engineering; transportation; highway engineering; urban investigations; structural dynamics; continuum mechanics.

CIVL901 Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: First stage of a comprehensive study concerning a specific topic; formulation of problem and literature study, critical examination of current work; planning of solution methods; presentation of results.

CIVL903 Concrete Technology

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Mix design theories; design of high performance and lightweight concrete, elastic behaviour; strength, creep, shrinkage; concreting operations; durability; significance of tests and properties of constituent materials; analysis of results; non-destructive tests; special concrete applications.

CIVL904 Highway Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Soil and roadmaking aggregate surveys; compaction of soil; road construction with soil and low-grade aggregates; mechanical, cement, bituminous, and resinous stabilisation; constructional methods in soil stabilisation. The origin, preparation, constitution and rheology of bituminous binders; mechanical and physical properties of bituminous materials. Close and open textured materials. Surface dressing. Plant. Sampling and testing. Maintenance. Concrete construction. Materials; mixing; laying; sampling and testing. Maintenance. Pavement design and evaluation - a review of current Australian, European and North American Practice.

CIVL905 Transportation Engineering

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Transport problems; urban travel demands; the transport planning process; travel-demand forecasting; trip generation analysis; model split analysis; trip distribution analysis; route assignment analysis; economic analysis; employment and population forecasts; evaluation of transport plans; airport engineering; classification, design standards, layout and development, terminal facilities, city-airport transport systems; urban transportation; railroad engineering; light rail rapid transit; pipeline transportation; belt conveyors - freight and passengers.

CIVL907 Civil Engineering Computations

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will concentrate on software packages which are designed for application to a wide range of structural types, both two and three dimensional, including trusses, frames, plates and shells. Any combination of these components may be used with a variety of analysis and design procedures including linear elastic analysis, nonlinear optimization, steel frame member design, and design and checking of reinforced concrete building frames including beams, columns, slabs, steel quantity and location, material take-off etc.

CIVL908 Advanced Soil Mechanics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The principle of effective stress and its implications; stress paths in soil mechanics; problems of shear strength and failure; peak, residual and softened shear strengths for soil; pore pressure parameters A and B; the use of pore pressure parameters in practice; selected problems of stability and settlement; the analysis and performance of slopes; the factor of safety concept; stress analysis approaches; introduction to soil dynamics.

CIVL909 Advanced Foundation Engineering

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: General principles concerning selection of foundation type on different types of soil; Bearing capacity theories, shallow and deep footings, difficult ground conditions including collapsing and swelling soils; performance observations in geotechnical engineering; preventative and remedial measures against ground movement and slope failure; buoyancy rafts and basements; selected problems of foundation analysis and design; dam foundations; stress distribution and stress analysis; soil sampling and exploration; soil stabilisation including drainage.

CIVL911 Finite Elements Methods

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Variational principles; element shape functions, 'displacement' and 'stress' formulations, curved and isoparametric elements;

computer programming techniques; analysis of plates, shells and axisymmetric structures; analysis of slab- and box-type bridge superstructures.

CIVL912 Engineering Hydrology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Storm models, storm maximisation, extreme precipitation estimates, intensity-frequency duration analysis, design storms; rainfall losses, infiltration models, design losses; advanced unit - hydrograph theory, synthetic unit hydrographics; hydrograph synthesis by runoff - routing; design floods for rural and urban catchments.

CIVL916 Research Topics in Civil Engineering

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from those areas of Civil Engineering in which staff members or visiting staff members to the Faculty, are engaged in active research.

CIVL920 Civil Engineering Hydraulics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Uniform flow in rivers and flood plains; open channel roughness and flow resistance; non-uniform open channel flow; backwater curve computation; unsteady open channel flow. Flood wave routing; hydraulics of spillways; hydraulics of bridges and culverts; retarding basin hydraulics; urban stormwater drainage design; sediment transport in open channel flow.

CIVL923 Advanced Reinforced Concrete

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Strength and behaviour of reinforced concrete members in flexure, shear, torsion and compression; bond and anchorage; non-rectangular sections; numerical and semi-graphical methods. Short and long-term deflections of beams; effect of repeated loading and impact. Analysis and design of deep beams. Yield line method for slabs. Design code provisions.

CIVL980 Advanced Computer Applications

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject content will comprise a selection from the following topics: Finite element modelling and simulation, system analysis, optimal design of civil and environmental engineering systems, advanced statistical techniques, advanced spreadsheet applications, case studies selected from civil and environmental engineering practice, use of MATLAB, EXCEL and similar computer packages.

CIVL981 Special Topic A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Specialist topic in civil engineering offered by members of staff, professional engineers or visitors to the Faculty.

CIVL982 Special Topic B

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Specialist topic in civil engineering offered by members of staff, professional engineers or visitors to the School.

ENGG909 The Science of Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will learn the fundamentals of crystallography, chemical thermodynamics and kinetics that are required to understand the relationships between the processing, structures and properties of engineering materials. Case studies and worked examples will be used to develop an understanding of how this knowledge is applied to chemical reactions, phase transformations and microstructural development in metals, polymers and ceramics. Laboratory classes will be used to give practical experience with properties measurement and analysis. Successful completion of this subject will allow students to enrol in other MATL subjects in the Materials Engineering specialisation.

ENGG919 Dissertation

Annual Wollongong Flexible
Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: A thesis is required based on project work and/or an interpretative literature review on a topic.

ENGG923 Advanced Digital Sound and Imaging Techniques

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Physics of sound, propagation of sound in air, interference and resonances, harmonics and musical instruments, acoustics; frequency response, digital sound recording and playback, digital filters, digital audio data compression and extraction and audio streaming; sound system design, frequency response curves, sound cards, audio systems, microphones,

amplifiers and speakers. Introduction to digital image fundamentals: resolution, bit depth, compression, colour, image enhancement and geometric manipulations; noise reduction; image compositing; time and temporal manipulations, image tracking and stabilization; file formats: quality and efficiency; case studies.

ENGG924 Railway and Rolling Stock Environment

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Rail within a transport industry context, historical perspective on railways development, business structures for rail organisations, rolling stock interfaces, safety considerations, design drivers, system design specification, rolling stock system(operations, servicing, maintenance), component interfaces, train types and applications, rolling stock operation and asset management, railway cost perspectives, technological development trends in rolling stock.

ENGG925 Rail Motive Power

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Diesel electric locomotives, electric locomotives, diesel hydraulic locomotives, integrated EMU, locomotive structure, locomotive configurations, locomotive performance, locomotive control systems, locomotive bogies, locomotive engines, locomotive traction generation, locomotive auxiliary systems, locomotive maintenance considerations. Elements of a traction system: interfaces with other systems, interactions between elements, limitations on tractive effort, traction control, basic traction technologies and their design, operation and maintenance characteristics: electric, diesel hydraulic, diesel, railcars, EMU, safety and environmental issues, performance criteria and measurement.

ENGG926 Rail Vehicle Design

Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Types and application of passenger rolling stock, passenger rolling stock configurations, passenger rolling stock structure, passenger rolling stock performance, passenger rolling stock traction and control systems, passenger rolling stock human interfaces, passenger rolling stock bogies, passenger rolling stock brakes, passenger rolling stock auxiliary systems, passenger rolling stock maintenance considerations, freight wagon types and applications, freight wagon standards, freight wagon life-cycle, freight wagon structures, freight wagon configurations, freight wagon coupling systems, freight wagon brakes, freight wagon bogies, freight wagon performance, freight wagon auxiliary fittings, freight wagon loading and unloading systems, freight wagon dangerous goods.

ENGG927 Rolling Stock Safety and Braking System

Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Rail safety systems and the interface with train braking systems, historical development of train brakes, train brake fail-safe concepts, train brake types, components and applications, compressed air systems, train brake control and controllers, train brake system performance and design - parking, normal and emergency operation, train brake examination and testing, deadman and vigilance control, investigation of incidents where brake system failure may have been a factor.

ENGG928 Rolling Stock Dynamics and Bogies

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Introduce students to the application of engineering principles and techniques to rolling stock design and guide them in the application of codes of practice and standards governing rolling stock design, operation and asset management. It builds on the broad body of knowledge obtained from the Graduate Certificate in Rolling Stock Engineering. Wheel-rail interface and resulting dynamic forces applied to bogies, wind loadings on vehicles, forces arising from abnormal conditions, modes of vibration, control of longitudinal dynamics, control of lateral dynamics, control of vertical dynamics, suspension design, stability of wagons, passenger cars, locomotives and trains.

ENGG929 Rolling stock construction maintenance and design

Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Capstone subject bringing together the various factors influencing rolling stock design into a coherent process of engineering application. Integration of factors governing rolling stock design including safety, dynamic performance, structural integrity, environmental and social impact, crashworthiness. Rolling stock types and configurations, rolling stock construction methods and techniques, couplers and draft gear, air and water piping, electrical cabling, internal fit out, auxiliary systems, passenger car door mechanisms, wagon loading and unloading design. Maintenance strategies, rolling stock maintenance techniques, rolling stock maintenance facilities, life-cycle considerations in design.

ENGG937 Special Topic in Engineering Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This is an occasional special topic subject designed to allow Engineering Management

and Engineering Practice students an opportunity to gain special knowledge and expertise from specialists in areas of engineering management. Topics will be selected from those areas of Engineering Management in which staff members, visiting staff members or eminent industry practitioners associated with the Faculty are engaged in active research and/or advanced, novel practice. The subject introduces engineers and technologists to state of the art ideas in general areas of engineering management research and practice and will provide a direct insight into the specialist knowledge and expertise of staff, associates and eminent visitors to the Faculty of Engineering. This encompasses an applications approach involving basic principles of analysis, decision-making and implementation of the special topic offered. The aim is to create awareness of current engineering management issues and future management trends specific to engineering and technology based organisations. This includes an appreciation of strategic importance and potential competitive advantage of the topic offered and the practical potential for organisations to take the ideas behind the special topic on board when making management decisions. The actual topics covered will vary and will depend on the special expertise available to the Faculty of Engineering at the time the special topic is offered.

ENGG938 Engineering Economics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Engineers today are not limited to the core of their activities being in the technical area but also the strategic and operational decision making processes. The aim of this course is to familiarise engineering students to the field of economics and its relevance and importance to the field of engineering. Initially, the course looks at a broad definition of economics and the basic elements of microeconomics such as concepts of supply and demand, market equilibrium and price elasticity. Macroeconomic issues are covered next with focus on GDP, inflation, unemployment, phenomenon of business cycles, and the financial markets. The core of the course examines the time value of money and how engineers use this concept for making crucial economic decisions. Future values of capital investments and their links to interest rates and compounding periods is investigated. Future values and present value of annuities, bond and mortgages are also explored. Using the tools developed, the course then applies them in the determination of net present values, internal rates of return and payback periods of diverse investment opportunities. Replacement analysis of capital equipment is examined as well. The implications of taxes, inflation and depreciation for capital budgeting are explored.

ENGG939 Engineering Logistics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Logistics in this course focuses on the design, development, production, distribution, and sustaining support of 'systems' throughout their planned life-cycle(s). This course will concentrate on logistics from a systems engineering perspective; i.e., the design of systems for supportability and serviceability, the production and effective distribution of systems for customer use, and the sustaining maintenance and support of systems throughout their period of utilization. Logistics is one of the key elements in sustaining a system and it is important that to successfully accomplish its mission logistics design must be tailored on a total life cycle basis.

ENGG940 Dissertation

Annual Wollongong On Campus
Annual Wollongong Distance
Autumn Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Spring2010/
Autumn2011 Wollongong Distance
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: The dissertation is a project allowing you to pursue a particular area in depth and solve a specific practical engineering problem. Students complete a dissertation in their area of interest. The dissertation develops skills in information retrieval, project planning and organisation, analysis, problem solving and effective communication of results. Involves the undertaking of an individual supervised project focused on solving a problem relevant to the discipline area of the degree. The student would normally be required to do a literature survey, analysis, and develop suitable solutions to the selected problem. This will allow the students to apply the knowledge and skills acquired in the structured coursework and thus gain valuable confidence in their ability to practice engineering at a high professional standard. Two bound copies of the final report must be submitted for assessment, together with an electronic version.

ENGG941 Sustainability for Engineers, Scientists and Professionals

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide skills and understanding to incorporate sustainable development principles and practices into everyday decision making and planning processes. It provides an overview of the major sustainable development issues facing professionals such as engineers, scientists, economists, when they make choices as to particular products, processes and systems to adopt in their workplaces.

ENGG942 Professional Practice

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide the Professional Practice outcomes of the Master of Professional Engineering, ensuring students are equipped with intercultural skills, cultural awareness and communication skills needed to best apply their engineering knowledge. Provides understanding of

Occupational Health and Safety requirements of Australian industry. Also facilitates students accessing the Australian workforce either through work experience or part time employment, enabling them to apply discipline specific knowledge to practical workplace settings.

ENGG943 Engineering Professional Placement

Not on offer in 2010
Credit Points: 6
Pre-requisites: ENGG942 Professional Practice
Co-requisites: None
Subject Description: This subject will provide an academic framework for students' industrial practice placements or experience and will consist of a study of what has been achieved in the placement, how it was achieved and how the roles of the professional(s) involved could improve outcomes for the engineering entity involved. There will be particular emphasis on professional roles within the engineering supply chain. Students' abilities to be successful when applying for professional status will be enhanced through this subject and other elements of the Master of Professional Engineering.

ENGG944 Infrastructure Decision Support

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to give student a deep and practical understanding of the principles and practice of Infrastructure Decision Support (IDS). It provides useful skills and tools that will help in day-to-day activities as professionals to ensure that key decisions are made so as to incorporate holistic infrastructure constraints. It includes topics such as: an overview of what is meant by IDS and how the concept has developed; overview of global and local issues driving the decision support imperative (business downsizing, emerging technologies, public accountability, whole-of-life feasibility etc); a systems approach to design and asset management; design for holistic constraint satisfaction; group DSS construction, verification and validation.

ENGG945 Dissertation

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: The dissertation typically requires rigorous research in a limited area - normally in the area of coursework components undertaken. It comprises a research project based on a problem in the discipline of the degree. The student would normally be required to do a detailed literature survey, analysis, modelling and develop suitable solutions to a selected problem. Students will be able to choose a suitable investigation within the current and relevant research activities associated with the Faculty of Engineering. The dissertation is individually supervised. Two bound copies of the final report must be submitted.

ENGG948 Sustainable Energy Technologies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject 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. The environmental and social impact of these technologies as compared to conventional energy sources will be considered. Students will undertake a laboratory/ field experiment or project, and/or carry out a case study.

ENGG950 Innovation and Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from: The creative and innovative process, aesthetics in design, life cycle design and planning. Design for economy, maintenance, disassembly, recycling, repair and rehabilitation. Designing with materials. Durability of materials, components, systems and structures. Intellectual property, patents and technology transfer. The international marketplace. Constraints on design: standards, specifications and codes of practice. Feasibility studies and costing Teamwork in design. Case studies.

ENGG951 Engineering Project Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will cover: Scope Management, Time Management, Human Resource Management, Risk Management, Financial Management, Project Plans, Project Quality Management and Procurement & Contract Management.

ENGG952 Engineering Computing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Software applications, programming development environments, application areas, mathematical techniques, and approaches to problem solving are explored from a wide variety of possible areas. Topics will be selected from the following list: Windows-based compilers and software libraries such as C/C++, fortran, and visual basic; Numerical and mathematical libraries such as Matlab, Mathematica, and Mathcad; Advanced spreadsheet programming; 3D Graphics programming using OpenGL; Advanced engineering graphics using Autocad; Database principles and techniques; Mesh Generation for finite element and finite difference modelling; Numerical solution of the equations of physical and engineering systems; Operations research, project management, and reliability simulation; Artificial neural networks.

ENGG953 Modelling of Engineering Management Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None

Co-requisites: None
Subject Description: Concentrating on the search of appropriate operations research techniques to assist in the solution of engineering management problems and basic experimental design. Topics include:- the basic principles of modelling, decision support models, modelling failure processes, search methods, scheduling models, queuing theory and its application, data collection and design, introduction to experimental design, principles of design, importance of randomisation, simple comparative experiments, experiments with a single factor, randomized blocks and related designs, introduction to factorial designs, Taguchi's philosophy of design.

ENGG954 Strategic Management for Engineers and Technologists

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject introduces engineers and technologists to strategic management. This includes basic principles of analysis, decision-making and implementation. The aim is to create awareness of strategic issues in engineering and technology based organisations. This includes an appreciation of competitive leverage from technology decisions. A need for consciousness of these issues amongst engineers is crucial to their function in both profit and not for profit organisations.

ENGG955 Engineering Research Methods

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The overall objective is to develop a structured approach to research in engineering. The focus is on the development of skills in framing a research problem, developing a research design, design of data collection analysis and interpretation frameworks. Literature research skills will be developed. An understanding of the selection and use of measurement sensors and engineering data collection and analysis tools will also be developed. Hands on experience in an engineering laboratory will be a feature. Ethical issues in research will be reviewed. Students will work on a selected project to develop a properly structured research proposal, including a research plan. The plan is to be presented orally and in written form.

ENGG956 Financial Management for Engineered Assets

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.

ENGG957 Project Implementation and Outsourcing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Employment law, contract law, issues such as types of interface i.e. contract types (cost plus, schedule of rates): HR structure and sourcing arrangements, management of the interface, performance measurement, monitoring and management, managing the client, managing the supplier, legal implications, employment law and safety law implications, duty of care, transmission of business, industrial relations, intellectual property, ownership and use of maintenance data and know-how.

ENGG958 Life-Cycle and Risk Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Replaces MECH970
Subject Description: Framework, context and history of asset management, strategic management and engineered asset management in context. Application/adaptation of basic tools, costs and benefits of life cycle 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 organisations).

ENGG959 Asset Management System Design

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Replaces MECH976
Subject Description: Topics that may be covered include: human aspects of asset management and reliability; ergonomics; work measurement, methods engineering and activity sampling applied to asset management activities; estimation of task time; facilities layout. Planning for shutdowns and overhauls; inventory selection and inventory control systems, configuration management, warehouse control, evaluation of asset management performance.

ENGG960 Maintenance Requirement Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Replaces MECH971
Subject Description: Maintenance concept design methodology; reliability theory; data recordings and analysis; identification and analysis of failure modes; maintenance rule selection; preventative replacement policies; optimisation of inspection frequencies; clustering of tasks; opportunity maintenance; specification of resource requirements.

ENGG961 Systems Reliability Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: RAM studies, requirements flow down, cost estimation, analysis on design, probabilistic design, logistic support, maintainability, availability, interface control, system integration, reliability grown modelling, cost estimation, sparings. Testing and performance evaluation, system safety modelling, installation procedures, asset management, disposal, asset purchase/replacement policies and decision-making.

ENVE899 Advanced Topics in Environmental Engineering

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisites: None
Subject Description: One or more advanced topics taken from the following: sustainable development; climate change adaptation and mitigation; water quality and treatment; membrane processes; water recycling; integrated water resource management; ecological engineering; environmental hydraulics; cleaner production and pollution control; sediment transport; site remediation; waste management; environmental impact assessment; environmental modelling processes; environmental geotechnology; ground and mine-water.

ENVE901 Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: First stage of a study on a selected topic, including formulation of the problem, literature study, development of study plan, and presentation of results.

ENVE916 Research Topics in Environmental Engineering

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from the areas of environmental engineering in which staff members are engaged in research.

ENVE923 Industrial Waste Engineering and Cleaner Production

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Issues covered include industrial waste minimisation and treatment, industrial processes and control techniques. Waste auditing of an industry will be illustrated using a case study. This subject addresses the issues of pollution prevention and sustainable industrial waste management. The subject focuses on preventative approaches to eliminate or minimize the generation of harmful industrial waste by introducing a range of pollution prevention concepts and management practices including Environmental Management System (EMS), ISO 14001 certificate, Environmental auditing, Life Cycle Assessment (LCA), and user paid waste management system. Topics relevant to source identification, characterisation, segregation, treatment and disposal of industrial waste will also be systematically covered.

ENVE925 Water Quality Engineering and Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject is designed to introduce environmental engineering concepts at a fundamental level that leads to sustainable development. Topics include integrated water cycle management, concepts of ecological engineering and impacts of climate change. 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, field trip and laboratory classes.

ENVE926 Air and Noise Pollution Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Air pollution incorporating engineering design - 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.

ENVE927 Environmental Engineering Processes Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENVE925 Water Quality Engineering and Management
Co-requisites: None
Subject Description: This 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.

ENVE928 Design of Urban Water Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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 river basin management, stormwater development, interactions of seawater, surface water and groundwater, separation of clean water from seawater and wastewater and long-term effects of infrastructure on the ecosystem. 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.

ENVE929 Site Contamination and Remediation Technologies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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 bioremediation and phytoremediation, biodegradation, permeable barriers 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.

ENVE930 Coastal, River and Groundwater Engineering

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Coastal Engineeering - 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; soil erosion, sediment transport in streams; re-naturalising streams; Groundwater Hydraulics - groundwater quality and contaminants - reservoir sedimentation; hydraulic structures.

ENVE931 Membrane Processes and Applications

Autumn 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 membranes 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.

ENVE981 Special Topic A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Specialist topic in environmental engineering offered by members of staff, professional engineers or visitors to the department.

ENVE982 Special Topic B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Specialist topic in environmental engineering offered by members of staff, professional engineers of visitors to the department.

ENVE985 Environmental Engineering

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject takes an engineering approach to solving problems in air, noise and water pollution. It considers the sources, effects and methods of control of the pollutants, as well as legislative requirements. The lecture and tutorial components of this subject are complemented by extensive field and laboratory sampling, measuring and analysis.

MATL899 Advanced Topics in Materials Engineering

Not on offer in 2010
Credit Points: 48
Pre-requisites: None
Co-requisites: None
Subject Description: A program approved by the Discipline Adviser of project work and studies of advanced topics in materials selected from the fields of processing, physical and mechanical behaviour, microstructure and observational methods.

MATL903 Recent Developments in Materials

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Considerations of the structures, properties, technology and applications of advanced materials with emphasis on materials important to the Australian economy.

MATL905 Metallic Materials

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Commercial metals and alloys. Relationships between structure and industrially significant properties. Control of structure by processing. Thermal and mechanical treatment. Recovery and recrystallization.

MATL906 Ceramic Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Ceramics - traditional and advanced. Microstructure-property relationships. Processing, solid state and liquid phase sintering. Applications. Refractories and corrosion.

MATL907 Polymeric Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Polymers, formation and classification. Effects of structure and additives on properties. Composite materials with polymeric matrices.

MATL913 Structural Analysis of Materials

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Structural characterisation techniques commonly used in materials science and engineering will be studied. Lectures and labs will provide both theoretical and practical knowledge. Topics will be selected from: electron microscopy - interactions of electrons with solids, electron optics, image formation and interpretation, scanning and transmission electron microscopy, energy dispersive spectroscopy; X-ray diffraction and texture analysis.

MATL932 Surface Engineering of Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Surface coating processes, coating of materials with ceramics, metals and polymers; quality and performance of the product; surface heat treatment processes.

MATL937 Process Metallurgy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The fundamentals of metallurgical thermodynamics and process kinetics are studied with a view to metallurgical analysis in the iron and steelmaking industry, with an emphasis on ladle metallurgy. Indirect and direct reduction of iron ore and the analysis of the blast furnace. Analysis of the processes with emphasis on smelting-reduction and clean steel production.

MATL938 Casting and Forming

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students study common processes used to convert bulk materials into finished products. This is a key area of materials and manufacturing engineering. Common casting techniques used for metals (sand, die, pressure, gravity, centrifugal and continuous casting), mould design, cast structures and defects. Advanced casting processes: thixoforming and thixocasting, near net shape casting, squeeze casting. Fundamentals of metalworking, mechanisms of deformation processing, thermomechanical processing of steels, industrial metalworking processes: forging, mechanics and forces. Powder metallurgy. Machinging: common processes and non-conventional machining.

MATL952 Corrosion, Wear and Fatigue

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Environmental behaviour. Thermo-dynamic aspects. Oxidation, processes and kinetics. Oxidation resistance. Aqueous corrosion, types of reaction, avoidance and restraint. Degradation of polymers and ceramics. Wear and abrasion. Stress corrosion and corrosion fatigue.

MATL972 Selection and Design of Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: General classifications and properties of materials. Standards, codes and specifications. Property requirements for specific applications. Bases for choice of materials, testing and evaluation. Selection methodologies based on performance indices. Constraints imposed by environmental, manufacturing and economic considerations. Use of computers and data banks. Case studies.

MATL999 Advanced Topics in Materials

Not on offer in 2010
Credit Points: 48
Pre-requisites: MATH202 and MATH203
Co-requisites: None

MECH899 Advanced Topics in Engineering

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisites: None
Subject Description: Students will normally take a selection of topics at advanced level. The selection of the topics will be subject to the approval of the Head of the Department in which the student wishes to enrol and subsequently specialise.

MECH913 Pneumatic Transport of Bulk Solids

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Classification and selection of transport systems; flow patterns; pressure drop, minimum transport velocities; design parameters and examples; feeding and disengaging methods.

MECH918 Sustainable Energy in Buildings

Not Offered in 2010 Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Advanced topics in: performance of buildings with particular regard to thermal comfort and ventilation; analysis and design of conventional air conditioning systems to appropriate standards; passive solar design of buildings; energy conservation in buildings; embodied energy in buildings; natural ventilation systems; and refrigeration systems.

MECH919 Advanced Topics in Mechanical Engineering 1

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 that it normally be offered on a specialised mechanical engineering topic given by members of the Department, visiting academic staff or engineering consultants.

MECH920 Computational Methods for Fluid Dynamics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject introduces computational fluid dynamics (CFD) techniques; consistency, accuracy and stability; validation of computational results; study of engineering systems which may include incompressible and compressible flow of fluids; turbulence; heat transfer and multiphase phenomena; and use of a commercial CFD package for solving industrial fluid dynamic problems.

MECH925 Advanced Fluid Power

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Fluid power components; circuit design: analysis of transmission, valve-controlled and feedback systems; electronic controls; vibration and transient response.

MECH928 Finite Element Techniques in Mechanical Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Introduction to finite element method. Application of finite element technique to stress analysis, fluid mechanics, heat transfer, vibration. Computer packages.

MECH929 Advanced Topics in Mechanical Engineering 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: As for MECH919.

MECH934 Advanced Manufacturing Processes

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Modelling of advanced manufacturing processes; manufacturing cost analysis; productivity and quality methods and measurements in manufacture; computer-assisted process planning; manufacturing optimisation; trends in advanced manufacturing processes, recycling aspects.

MECH935 Integrated Manufacturing Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Concurrent engineering, its application and benefits; computer integrated manufacturing concepts and applications; CAD/CAM, CNC programming, FMC, FMS; computer-process interfacting; process and tool condition monitoring; computer-aided quality control; assembly systems, assembly lines, assembly line balancing; design for manufacture - casting, forming, machining and selected examples; human interface in manufacturing systems; future trends.

MECH939 Advanced Topics in Mechatronic Engineering

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 that it normally be offered on a specialised mechatronic engineering topic given by members of the Faculty, visiting academic staff or engineering consultants.

MECH941 Micro/Nano Robotic Systems

Autumn Wollongong On Campus
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.

MECH949 Advanced Computer Control of Machines and Processes

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Advanced modelling and control of multivariable systems: performance of multivariable control systems; optimal control theory; robust control systems; design, implementation and evaluation of digital control systems.

MECH950 Advanced Robotics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject provides the knowledge and skills required to design appropriate robotic systems. Topics covered include: industrial robots as a component of automation, mathematical modelling of a robotics arm, direct and inverse kinematics model, direct and inverse dynamics model, trajectory planning, robot control, design and selection of drives and motors, industrial vision systems, position sensors, force sensors, ultrasonic sensors and other sensors

MECH979 Sustainable Transport and Engine Technology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Advanced topics in: human powered transport, conventional and novel engine technology and design; strategies for reducing emissions; alternative fuels; solar vehicles; fuel cells and hybrid vehicles.

MECH980 Automotive Dynamics

Not Offered in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will learn concepts involved in suspension and automotive dynamics including: fundamental analysis of vehicle forces during braking, accelerating and cornering; 2D and 3D geometrical analysis of typical double A-Arm suspension systems; Synthesis of suspension geometry systems; Tyre/Pavement interactions - analysis of tyre data and the non-dimensional tyre model; Steering; Shock Absorbers and Dampers; Anti-Roll Bar analysis; Simplified transient performance model. Laboratory classes will be used to give practical experience for testing and analysis of tyre and shock absorber properties. Students will also be asked to learn and use Matlab Simulink for modelling and analysis of vehicle performances.

MECH983 Bulk Solids Handling (Storage and Flow)

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Basic concepts of storage; flow and feeding of bulk solids; use of flow properties to determine hopper geometrics; bin wall loads; feeding and discharge systems, feeder loads; chute design; flowrate prediction; segregation and blending; dust suppression systems; stock pile systems; case studies.

MECH984 Belt Conveying

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Belt conveying systems; properties of conveyor belting; tension analyses (static and dynamic); drive systems; loading and unloading belts; trajectory prediction; transfer chute design novel belt systems; economic analyses.

MECH985 Dust and Fume Systems

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Basic concepts; terminology and problems; health and safety regulations; dust characterisation; fan performance characteristics; capture velocities and minimum transport velocities; hood and enclosure design; duct design; dust generation and its minimisation; filtration systems; design of dust handling and disposal systems; occupational health and safety; dust explosion; case studies.

MINE899 Advanced Topics in Mining Engineering

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisites: None
Subject Description: Computer aided analysis and design; computer methods; ore reserve estimation finite element techniques; hydrology; hydraulics; numerical techniques; reliability; rock mechanics; simulation; structural analysis and design; structural topology; mine planning.

MINE902 Advanced Studies in Mining Engineering

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected

from those areas of Mining Engineering in which staff members or visiting staff members to the Department are engaged in active research.

MINE903 Simulation of Mining Operations and Problems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Including coal reserves, mining dimensions, surface effects, cost benefit effects of operation and management and economic evaluation and feasibility of a mining enterprise.

MINE904 Rock Mechanics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Fundamentals of strata mechanics together with advanced topics including engineering technology and rock mechanics aspects of coal mining strata control. Design aspects of mine structures, such as mine pillars, gate roads and longwall mining. Instrumentation in providing for the safe design of the mine opening. Rock and cable bolting techniques, powered support design, slope stability and surface subsidence.

MINE905 Environmental Control in Mines

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Mine climate and its control, ventilation planning, ventilation network analysis and simulation; fan selection, booster fans; ventilation of long headings, recirculation; exhaust from diesel engines and their control; methane and its control in underground coal mines, dust in mine air and its control.

MINE906 Mining Engineering Techniques

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A selection of advanced laboratory and field exercises in mine support, temporary and long term; in situ testing, laboratory testing, rock properties and parameters; mine design and plant related to extraction areas.

MINE916 Mineral Valuation and Risk Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to provide resource professionals with the analytical tools to assess and evaluate the financial viability of an exhaustible resource project at various stages from exploration into development. It provides the student with knowledge of the theory, principles and applications of probabilistic discounted cash flows to the risk analysis of resources projects. Monte Carlo and Latin Hypercube simulation methods are discussed in the evaluation of financial risks. The subject also surveys the effects of mining taxation and other government imposts on a mining project and the impact of inflation on cash-flow analysis.

MINE917 Mineral Economics

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces the economics theory of exhaustible resources, including the geographic distribution, abundance and availability of mineral resources, the resource base concept and the definition, measurement and conversion resources and reserves; and the concepts of resources supply and demand.

MINE918 Commodity Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides specialist skills for the analysis of mineral commodities, including the principles of commodity marketing, commodity price formation, the factors affecting supply and demand, the structure of commodity and metal markets, future trading in commodities, market behaviour and price response and commodity price forecasting.

MINE919 Mineral Resources Policy

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the social economic and political processes through which mineral resource policy is developed. Case studies will be used to understand the impacts of resources development. Theoretical perspectives may include the politics and sociology of resources development, global, national and regional developments in mineral resources regulation, theories of state regulation and intervention, and the choice and negotiation of different policy strategies.

PHYS910 Advanced Project in Physics A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The student will be required to design and construct several self-contained experiments at the level of those encountered in Advanced Experimental Physics. OR After successfully completing this subject, the student will * have gained experience in contributing to the work of a small research group * be able to keep detailed working records of the progress of experiments * have gained a variety of intermediate practical and analytical level skills related to the specific area of research in which they have been involved * be able to present a short seminar on the research in which they were engaged.

PHYS946 Advanced Solid State Physics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None

Co-requisites: None
Subject Description: Crystal Symmetries; Groups of Linear Transformation; Abstract Groups; Theory of Group Representations; Group of the Schrodinger Equation; Selection Rule Theorem; Groups of Physical Interest; Rotation Operations; Double-Valued Representations; Direct Products; Crystal Fields; Adiabatic Approximations; Bloch's Theorem; The Effective Mass Expansion; Spin-Orbit Interaction; Time-reversal Symmetry; Symmetry Properties of Wave Vectors; Band Theory; Impurities in Semiconductors.

PHYS948 Physics of Imaging

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Photographic processes and interpretation; Optical and infrared arrays; Image digitising systems; Radio synthesis imaging and fourier optics; Image analysis; Applications in industry, medicine and astrophysics.

PHYS950 Special Topics in Physics A

Annual Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: PHYS947
Subject Description: The subject content will reflect the specialisation of the postgraduate coursework degree in which the student is enrolled. The material will, where possible, be based on exisiting Physics Honours subjects, but may be selected from any area of Physics on the advice of the academic supervisor. Subject content will change in scope and depth to reflect the postgraduate nature of the coursework.

PHYS951 Medical Physics Research Project

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 18
Pre-requisites: None
Co-requisites: None
Subject Description: The student will be required to undertake an applied research project on a topics of medical radiation physics under the supervision of one of the staff members working in the area of medical radiation physics. The area of research will be selected from the following fields: Nuclear Medicine, Medical Imaging, Radiobiology, Radiation Protection, Diagnostic Radiology, Radiotherapy, Instrumentation and Imaging Physics. All the above research topics may not be available every year.

PHYS952 Radiation and Radiotherapy Physics

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is intended to lead to an understanding of the instrumentation and techniques involved in diagnostic and therapeutic uses of radiation in medicine. Topics covered will include Interactions of Radiation with Matter, Sources of Radiation, Detecting Radiation, Nuclear Elect4ronics and data acquisition system, Nuclear Reactions and Production of Radioisotopes, Neutron Physics, Dosimetry of photons, electrons and neutrons, Solid Sate Dosimetry, TLD and film dosimetry, Introduction to Radiation Therapy, Medical Linear Accelerators, X-ray Modelling Methods, Brachytherapy and Radiosurgery, Clinical Radiotherapy, Linear Accelerators X-ray and Electron Beam Properties.

PHYS953 Medical Imaging and Nuclear Medicine

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is intended to lead to an understanding of the instrumentation and techniques involved in medical imaging and an appreciation of the part played by image analysis in medical physics specifically. Topics covered will include - the photographic process, solids state detectors and CCDs, the hardware of image processing; film digitisers and plate scanners, software techniques, histograms, enhancements, convolution, edge enhancement, fourier techniques and operature synthesis, nuclear magnetic resonances, larmour frequency, basic imaging, slice selection, 3D data acquisition, chemical shift imaging, contract agents, image artefacts and distortion. The evolution and basic physics of radionuclide imaging, the tracer principle in Nuclear Medicine. the ideal properties for radioactive agents for diagnostic studies, the ideal properties for therapeutic radioactive agents, basic physiology of body organs pertinent of Nuclear Medicine,

PHYS954 Radiobiology and Radiation Protection

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Topics covers in this subject include - Interaction of radiation with living cells and tissue; clinical fractionation; clinical radiation syndromes; radiobiological modelling; experimental radiation oncology; local control vs system control; radionuclide therapy; binary therapy; new radiotherapy modalities and their radiobiology; dosimetry; natural background radiation; principles of radiation protection; instrumentation for radiation protection; Radiation protection in radiation therapy and diagnostic

PHYS955 Transitional Medical Radiation Physics Program

Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The Transitional Program will have the following structure: * Radiation and Radiotherapy Physics - involving practical and clinical laboratory work in the following areas: QA and Simulator (10hrs), Advanced Pinnacle and Dose Planning (16hrs), Monte Carlo simulations (8hrs) and

Brachytherapy (4hrs). * Medical Imaging and Nuclear Medicine (60hrs) - no further work is required of Honours graduates in Medical Imaging. Students will be required to attend the Nuclear Medicine module of PHYS953. In addition students will be required to produce a paper and present a major seminar on an aspect of clinical medical radiation physics (approx 15hrs).

PHYS960 Advanced Project in Physics B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The student will be required to design and construct several self-contained experiments at the level of those encountered in Advanced Experimental Physics. OR After successfully completing this subject, the student will * have gained experience in contributing to the work of a small research group * be able to keep detailed working records of the progress of experiments * have gained a variety of intermediate practical and analytical level skills related to the specific area of research in which they have been involved * be able to present a short seminar on the research in which they were engaged.

PHYS990 Applied Physics Project

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: The student will undertake a research project and present a minor thesis and seminar on an applied physics topic selected after discussion with the Discipline Adviser.

PHYS997 Special Topic in Physics B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A special topic to be selected from any area of physics. The selection to be made by the Physics Discipline Adviser.

Faculty of Health and Behavioural Sciences

Member Units

School of Health Sciences
School of Nursing, Midwifery and Indigenous Health
School of Psychology

Degrees Offered

Research

Doctor of Philosophy
Doctor of Philosophy (Clinical Psychology)
Doctor of Public Health
Master of Midwifery – Research
Master of Nursing – Research
Master of Science – Research
Master of Science – Research (Psychology)

Coursework (by Academic Unit)

School of Health Sciences

Master of Clinical Exercise Physiology
Master of Science (Nutrition)
Master of Science (Nutrition and Dietetics)
Master of Science (Nutrition/Dietetics and Exercise Rehabilitation)
Master of Science (Occupational Health and Safety)
Master of Science (Occupational Hygiene Practice)
Master of Public Health
Master of Public Health Advanced
Graduate Diploma in Science
(Biomedical Science)
Graduate Certificate in Occupational Health and Safety
Graduate Certificate in Occupational Hygiene Practice
Graduate Certificate in Public Health
Graduate Certificate in Public Health Nutrition
Graduate Certificate in Health Promotion
Graduate Certificate in Advanced Dietetic Practice

School of Nursing, Midwifery and Indigenous Health

Master of Health Leadership and Management
Master of Indigenous Health
Master of Nursing
Master of Nursing (Mental Health)
Master of Science
Dementia Care
Gerontology and Rehabilitation Studies
Midwifery
Graduate Certificate in Dementia Care
Graduate Certificate in Gerontology and Rehabilitation Studies
Graduate Certificate in Health Leadership and Management

Graduate Certificate in Health Practice Development and Facilitation

Graduate Certificate in Health Research

Graduate Certificate in Indigenous Health

Graduate Certificate in Mental Health Nursing

Graduate Certificate in Nursing

Graduate Certificate in Practice Nursing

Graduate Certificate in Social Marketing for Health

School of Psychology

Doctor of Psychology (Clinical)

Master of Psychology (Clinical)

Master of Science (Psychology)

Postgraduate Diploma in Psychology

Postgraduate Certificate in Professional Psychological Practice

Additional Information

Criminal Record Checks

NSW Health requires all students undertaking clinical placement as part of a health related course to undergo a criminal record check. The criminal record check shall be completed before a student can attend any clinical placement in a health facility. Students will be provided advice at enrolment and orientation on the process to be followed to obtain a suitable criminal record check. 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 NSW Health.

Child protection legislation enacted in July 2000 requires each student to complete and sign a Prohibited Employment Declaration. The relevant form will be provided to you and retained by the University.

Infectious Diseases

NSW Health also requires students undertaking clinical placement in health facilities to be compliant with certain vaccinations to ensure the safety of both students and patients. This information will also be provided at enrolment and orientation.

Fee Information

For tuition fee information please see the following:

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

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

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per annum
Delivery Mode:	Supervised individual research
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	012104D

Overview

The Doctor of Philosophy provides the opportunity to pursue in-depth research. Candidates are expected to develop a research thesis that leads to an original and significant contribution to the knowledge in a particular field.

Major Study Areas

School research activities are in the areas of:

School of Health Sciences

Biomechanics

Cardiovascular Physiology

Exercise Physiology
Exercise Rehabilitation
Functional Anatomy
Health Policy
Health Promotion
Human Thermoregulation and Applied Physiology
Metabolic and Lipid Chemistry
Neuroscience
Nutrition and Dietetics
Occupational Health and Safety
Public Health
Public Health Nutrition

School of Nursing

Continuity of care
Consumer partnerships/collaboration
Evidence-Based Practice
Mental Health Nursing
Nursing workforce and staff mentorship
Social marketing & community engagement
Critical marketing & media analysis
Health education, leadership and practice development
Alcohol Marketing and Promotion
Aged Care & Dementia
Cancer prevention and detection
Health Professional Education
Workplace Health, Safety & Productivity

School of Psychology

Psychophysiology
Short-term Memory
Visual Perception
Cognition Development
Cognitive Neuroscience relating to Cognition (particularly memory, vision and development)
Mental Health and Emotional Well-being

Entry Requirements / Assumed Knowledge

Candidates must hold an Honours Bachelor degree of at least 4 years duration, and have achieved Honours Class II Division 2 or higher, or completed a Masters by Research degree. In addition, a primary supervisor in the relevant academic unit must be identified prior to commencing the program.

International students are required to have achieved an IELTS score of 6.5, with a minimum of 6.0 in all bands of reading, writing, speaking and listening. Requirements are higher in some programs.

Course Requirements

Study at the Doctoral level is by advanced research thesis and the requirements for the degree are not defined by a total credit point value, but by successful completion of the advanced research thesis. The normal full-time study pattern requires enrolment in 48 credit points of subjects per year in accordance with the table below, for a minimum of 3 years. Part-time study is also available in most cases.

Potential candidates should discuss their research plan with the Postgraduate Research Coordinator of the relevant School, at which time the supervision arrangements of the School will be outlined.

Rules and procedures for Doctoral degrees by Thesis are listed in the Course Rules. Doctoral candidates are urged to be familiar with the Code of Practice - Supervision and General Course Rules governing Thesis and Research Degrees, including the regulations regarding preparation and submission of the thesis.

Subject Code	Subject Name	Session	Credit Points
THES924 or	Thesis for full-time students	Autumn, Spring	24
THES912	Thesis for part-time students	Autumn, Spring	12

Doctor of Philosophy (Clinical Psychology)

Testamur Title of Degree:	Doctor of Philosophy (Clinical Psychology)
Abbreviation:	PhD (ClinPsyc)
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	209
CRICOS Code:	003002G

Overview

This program aims to equip candidates with both clinical and research training at high levels of expertise. The coursework and practical experience provide students with a comprehensive understanding of the principles governing psychological assessment and therapy and the clinical skills required to treat a wide variety of psychological disorders in children, adolescents and adults. Candidates also undertake in-depth research that makes an original contribution to the body of knowledge in clinical psychology. The research comprises more than two thirds of the degree. The clinical training enables the candidate to practise as a clinical psychologist, and the research training can lead to (or enhance) an academic career, and is highly regarded by public and private sector employers.

Entry Requirements / Assumed Knowledge

Candidates must have a superior honours degree in Psychology of at least four years duration of Class II, Division 1 standard or higher. Entry is very competitive and successful applicants will typically also be recipients of a PhD Scholarship. Selection for entry is based on academic record, a research proposal, two referee's reports, relevant practical experience and a personal statement. Short-listed candidates are also subject to a selection interview.

International students must demonstrate that they have achieved an IELTS score of 7.0 overall, with at least 7.0 in all bands (reading and writing, speaking and listening). In addition, international applicants must have a degree in psychology that is equivalent to an Australian 4-year sequence of psychology. International applicants must have their qualifications assessed by the Australian Psychological Society (APS) for equivalence and provide this evidence in their application (see: www.psychology.org.au/membership/qualifications/).

Course Requirements

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases in the Additional Information section.

Course Program

Subject Code	Subject Name	Session	Credit Points
GHMC951	Child & Adult Assessment & Psychopathology	Autumn	8
GHMC952	Principles of Psychotherapy	Autumn	8
GHMC955	Health & Wellbeing	Autumn	8
GHMC953	Neuropsychology & Neuropsychiatric Disorders	Spring	8
GHMC954	Cognitive Behavioural Therapies	Spring	8
GHMC956	Special Groups & Methods	Spring	8
THES916	Research Thesis	Autumn/Spring	16
THES924	Thesis full-time students, or	Autumn/Spring	24
THES912	Thesis part-time students	Autumn/Spring	12

Professional Recognition

This program is accredited by the NSW Registration Board for registration as a psychologist, by the Australian Psychological Society at 5th and 6th year level, and by the APS College of Clinical Psychologists for associate membership.

Other Information

For further information visit our website: www.uow.edu.au/health/psyc/pgcourses

Doctor of Public Health

Testamur Title of Degree:	Doctor of Public Health
Abbreviation:	DPH
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 credit points per annum
Delivery Mode:	Supervised individual research and face-to-face classes
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	204
CRICOS Code:	012105C

Overview

The Doctor of Public Health is a professional doctorate degree granted on successful completion of an approved program of coursework, in addition to an independent and original investigation of a significant problem in public health, and the presentation of the research as an acceptable thesis. This degree prepares students for leadership positions in the health sector that require advanced analytical or conceptual capabilities. Students should consult the information under the Doctor of Philosophy for information about the School's research areas.

Entry Requirements / Assumed Knowledge

To qualify for entry to the program, candidates must have a Master of Public Health degree or equivalent, usually at credit level or higher, or an Honours Bachelor degree of at least Class II, Division 2 standard in a relevant discipline, followed by the equivalent of one year of full-time relevant and approved postgraduate study.

Students should preferably have 2 or more years of appropriate professional experience, and have demonstrated potential capacity for leadership in the area of specialisation. Applicants should submit a record of professional experience and names of two appropriate referees.

International students are required to have achieved an IELTS score of 6.5, with a minimum of 6.0 in all bands of reading, writing, speaking and listening.

Course Requirements

The Doctor of Public Health takes a minimum of 3 years of full-time study. It includes a coursework component and a research component. There will be no credit granted for previous graduate study at Masters level. The coursework involves a maximum of 1 year of full-time study (48 credit points). The research component of the program involves at least 2 years of full-time enrolment, undertaking a thesis following completion of the coursework component. Progression to the research component requires the development of a suitable research proposal, at the end of which the student sits a qualifying examination.

On successful completion of the qualifying examination, the student undertakes the research under supervision. At the end of this period the student will submit a thesis for examination under the regulations for Doctoral Theses of the University. Individual coursework programs should be decided in conjunction with the intended supervisor for the research and the Head of School. The coursework must be passed with a credit average to allow progression into the research component of the course. Applicants who have not had a background in public health may be advised to take the 4 core subjects listed below. Some applicants may be advised to undertake specialised programs in preparation for their research.

Subject Code	Subject Name	Session	Credit Points
SHS 933	Social Determinants of Public Health	Autumn	6
SHS 940	Statistics in Health Research	Spring	6
SHS 932	Epidemiology	Spring	6
SHS 941	Public Health Research Methodology	Spring	6
THES924	Thesis for full-time students	Autumn, Spring	24
Or THES912	Thesis for part-time students	Autumn, Spring	12

Full-time students are required to submit their theses no later than 8 academic sessions from the commencement date of candidature.

Further Information

Prof Tony Worsley

Course Coordinator

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Master of Midwifery - Research

Testamur Title of Degree:	Master of Midwifery - Research
Abbreviation:	MMid-Res
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1308
CRICOS Code:	044410G

Overview

The Master of Midwifery – Research is intended to provide candidates with the opportunity to pursue a research program in a specialised field of midwifery. Interdisciplinary supervision will be encouraged so that a student may have (for instance) a supervisor who is a midwife/nurse academic, and another with expertise in an appropriate associated discipline.

Entry Requirements / Assumed Knowledge

Applicants must hold a qualification that would demonstrate their authority to practice as a Registered Midwife within Australia (or provide evidence of equivalent international registration as a midwife). Applicants must also demonstrate the minimum tertiary qualifications of a 3 year Bachelor of Nursing degree (or equivalent).

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.

Course Requirements

The Master of Midwifery – Research requires the successful completion of 72 credit points of subjects in accordance with the table below.

It is expected that all candidates will undertake the coursework preparation program before enrolling in the thesis, unless through recognition of the candidate's prior learning and the possession of relevant qualifications they can demonstrate that they possess the relevant skills and knowledge.

Subject Code	Subject Name	Session	Credit Points
THES924	Thesis for full-time students (1 year)	Annual	48 per year
Or			
THES912	Thesis for part-time students (2 years)	Annual	24 per year
GHMB950	Reflective Practice 1	Autumn or Spring	6

A further 12 credit points of core subjects to be advised by the Head of Postgraduate Studies
6 credit points of electives subjects to be chosen in consultation with the Head of Postgraduate Studies

Further Information

Allison Shorten
Research Student Coordinator
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Master of Nursing - Research

Testamur Title of Degree:	Master of Nursing - Research
Abbreviation:	MNurs-Res
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1310
CRICOS Code:	042634G

Overview

The Master of Nursing – Research is intended to provide candidates with the opportunity to pursue a research program in a specialised field of nursing. Interdisciplinary supervision will be encouraged so that a student may have (for instance) a supervisor who is a midwife/nurse academic, and another with expertise in an appropriate associated discipline. Students should consult the information under the Doctor of Philosophy for information about the schools research areas.

Entry Requirements / Assumed Knowledge

Applicants must hold a qualification in Nursing which will enable them to gain authority to practice as a Registered Nurse, (or provide evidence of equivalent international registration as a nurse.) In addition, applications must have one of the following: a Bachelor degree in Nursing, Graduate Certificate in Nursing, Bachelor of Nursing (Honours) Class II, Division 2, or a Master of Nursing degree or equivalent. Applicants who do not possess a Bachelor degree in Nursing may gain entry to the Master of Nursing – Research program by successfully completing a Graduate Certificate in Nursing, with content arranged with advice from the Postgraduate Coordinator, and by achieving a credit average.

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.

Course Requirements

The Master of Nursing - Research requires the successful completion of 72 credit points in accordance with the table below.

It is expected that all candidates will undertake the coursework preparation program before enrolling in the thesis, unless through recognition of the candidate's prior learning and the possession of relevant qualifications they can demonstrate that they possess the relevant skills and knowledge.

Subject Code	Subject Name	Session	Credit Points
THES924	Thesis for full-time students (1 year)	Annual	48 per year
Or			
THES912	Thesis for part-time students (2 years)	Annual	24 per year
GHMB950	Reflective Practice 1	Autumn or Spring	6

A further 12 credit points of core subjects to be advised by the Head of Postgraduate Studies
6 credit points of electives subjects to be chosen in consultation with the Head of Postgraduate Studies

Further Information

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Master of Science – Research

Testamur Title of Degree:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1341
CRICOS Code:	042633G

Overview

The Master of Science - Research provides the opportunity to pursue independent research in fields including medical science, exercise science and rehabilitation, nutrition and dietetics, public health and occupational health and safety. Students who wish to undertake a PhD and have not completed a research honours year as part of their undergraduate degree or obtained an honours grade of Class II, Division 2 or below should seek to undertake a Master of Science - Research. Students may apply for a course transfer to a PhD after demonstrating a suitable level of research aptitude in the Master of Science - Research.

Consult the information under the Doctor of Philosophy for information about the School's research areas.

Entry Requirements / Assumed Knowledge

Students must hold an undergraduate Bachelors degree with a research Honours year in a relevant discipline.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands of reading, writing, speaking and listening.

Course Requirements

The Master of Science – Research requires the successful completion of 72 credit points of subjects in accordance with the table below.

The degree requires 24 credit points of coursework subjects, and a 48cp research thesis. Full-time students undertake THES924 for 2 sessions. Part-time students undertake THES912 for 4 sessions. All candidates for this program must present a research seminar in each enrolled year, take part in a research proposal and defence process, and submit a written research thesis.

A detailed research proposal must be submitted for examination within the first year of candidature in the thesis subject. This examination must be passed successfully for the candidature to be allowed to continue.

Students entering the program with an Honours Bachelor degree with Class II, Division 2 or higher may receive credit for the 24 credit point coursework component and therefore may complete the degree in 1 year following successful completion of the 48cp research thesis.

Students who do not have an Honours Bachelor degree with at least Class II, Division 2 must complete 24 credit points of coursework in accordance with the table below in addition a 48 credit point major thesis.

Subject Code	Subject Name	Session	Credit Points
SHS 900	Research Project	Autumn, Spring, Annual	8
SHS 901	Practicum	Autumn, Spring, Annual	8
SHS 902	Special Topics	Autumn, Spring, Annual	8
THES924	Thesis for full-time students	Autumn, Spring	24
Or			
THES912	Thesis for part-time students	Autumn, Spring	12

Professional Recognition

Master of Science - Research is recognised as an entry qualification for a PhD program in most disciplines in Australia and other countries.

Further Information

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Master of Science – Research (Psychology)

Testamur Title of Degree:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1341A
CRICOS Code:	044405D

Overview

The Master of Science – Research provides the opportunity to pursue research in psychology. Students should consult the Course Handbook entry for the Doctor of Philosophy for information about the research areas available in the School of Psychology.

Entry Requirements / Assumed Knowledge

Students must normally have a 4 year Bachelors degree or Bachelors (Hons) degree in Psychology (or equivalent) that includes a full year of research.

It is possible to limit the number of students admitted each year based on the availability of suitable supervisors. If the number of applicants exceeds the quota, admission will be based on academic qualifications, and entry will usually require a minimum Honours grade of Class II, Division 2 (or equivalent) in a relevant discipline.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands of reading, writing, speaking and listening.

Course Requirements

The Master of Science – Research (Psychology) requires the successful completion of 72 credit points of subjects in accordance with the table below.

The degree requires 24 credit points of coursework subjects, and a 48cp research thesis. Full-time students undertake THES924 for 2 sessions. Part-time students undertake THES912 for 4 sessions. All candidates for this program must present a research seminar in each enrolled year, take part in a research proposal and defence process, and submit a written research thesis.

A detailed research proposal must be submitted for examination within the first year of candidature in the thesis subject. This examination must be passed successfully for the candidature to be allowed to continue.

Students entering the program with an Honours Bachelor degree with Class II, Division 2 or higher may receive credit for the 24 credit point coursework component and therefore may complete the degree in 1 year following successful completion of the 48cp research thesis.

Students who do not have an Honours Bachelor degree with at least Class II, Division 2 must complete 24 credit points of coursework in accordance with the table below in addition a 48 credit point major thesis.

Subjects		Session	Credit Points
GHMC946	Research Project A	Autumn	8
GHMC947	Research Project B	Spring	16
THES924	Thesis for full-time students	Autumn, Spring	24
Or			
THES912	Thesis for part-time students	Autumn, Spring	12

Professional Recognition

The Master of Science – Research (Psychology) is recognised as an entry qualification for a PhD program in most disciplines in Australia and other countries.

Further Information

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Master of Clinical Exercise Physiology

Testamur Title of Degree:	Master of Clinical Exercise Physiology
Abbreviation:	MClinExPhys
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time only; not available part-time
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1617
CRICOS Code:	N/A

Overview

The Master of Clinical Exercise Physiology aims to produce professional Exercise Scientists who can utilise exercise to prevent and rehabilitate disease and injury in the broader community. As an Accredited Exercise Physiologist, students are able to register as an Allied Health Professional with Medicare, WorkCover NSW, private health insurers and potentially interstate organisations.

Graduates have the potential to be employed within the public NSW Health system or private hospital sector, often as part of multi-disciplinary rehabilitation teams.

Many graduates work within private exercise physiology clinics across a broad range of rehabilitation areas, including (but not limited to) cardiac rehabilitation, diabetes management, falls prevention, chronic and complex disease management, and return-to-work programs.

Graduates are often employed in the work-related injury and rehabilitation sector (WorkCover NSW), either as allied health professionals providing the service, or as the agent/rehabilitation provider from the case management perspective.

Entry Requirements / Assumed Knowledge

A Bachelor degree in Exercise Science of at least three years duration from a recognised tertiary institution is required. Places are limited and a minimum credit average across all completed undergraduate subjects is required to be considered competitive for entry.

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 of reading, writing, speaking and listening.

Course Requirements

The Master of Clinical Exercise Physiology requires the successful completion of 48 credit points of subjects in accordance with the table below.

This course is not available part-time.

Note that this degree has 360 hours of compulsory clinical placement which is completed in Spring Session as part of the Clinical Practicum subject. In order to complete this placement, students must comply with the legal requirements of the NSW Health Department. This requires all staff and students undertaking clinical placements to receive a criminal record clearance 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.

Subject code	Subject Name	Session	Credit Points
EXSC920	Clinical Exercise Physiology	Autumn	24
EXSC921	Clinical Practicum	Spring	16
EXSC922	Advanced Workplace Injury Management for Exercise Physiologists	Spring	8

Professional Recognition

This new one year course is regarded throughout the Exercise Physiology community as being of a very high quality, and students will meet the full accreditation standards for Australian Association for Exercise and Sports Science (AAESS) upon graduating.

Further Information

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Master of Science (Nutrition)

Testamur Title of Degree:	Master of Science (Nutrition)
Abbreviation:	MSc(Nutr)
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Not available for commencement in 2010
Location:	Wollongong
UOW Course Code:	574
CRICOS Code:	007054G

This course is not available to commencing students in 2010. Current students should refer to the 2009 Course Handbook for details on the requirements of the MSc (Nutrition).

Master of Science (Nutrition and Dietetics)

Testamur Title of Degree:	Master of Science (Nutrition and Dietetics)
Abbreviation:	MSc(Nutr&Diet)
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574_2
CRICOS Code:	007054G

Overview

The Master of Science (Nutrition and Dietetics) consists of coursework and practical placements, and develops knowledge and skills required by nutritionists/dietitians working in a variety of community and public health settings, food industry, private practice, hospitals, and other tertiary health care facilities. This course is only available on campus and there are no distance education options.

Entry Requirements / Assumed Knowledge

A Bachelors degree of at least 3 years duration from a recognised tertiary institution (or equivalent) is required for entry. The degree must incorporate two subjects in metabolic biochemistry at Year 2 level, two subjects in human systems physiology, and four subjects (equivalent to 24 credit points at UOW) in nutritional science subjects across the whole degree.

Entry is highly competitive, and only a limited number of students can be admitted each year. If the number of applicants exceeds the quota, admission will be based primarily on academic qualifications.

Applications are due by the end of September each year and those received earlier in the year are held so that all applications are considered and ranked at the one time. All applicants must submit the Selection Supplement for the Master of Science (Nutrition and Dietetics) together with their course application. Selection is primarily based on academic merit but the applicants' referee reports, educational and work experience are also considered. All applicants can expect to be notified of an outcome by the end of November.

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 in reading and writing, speaking and listening.

Course Requirements

The Master of Science (Nutrition and Dietetics) requires the successful completion of 96 credit points of subjects in accordance with the table below.

Note that clinical placement is compulsory in Year 2 of the degree. In order to complete this placement, students must comply with the legal requirements of the NSW Health Department. This requires all staff and students undertaking clinical placements to receive a criminal record clearance 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.

Subject Code	Subject Name	Session	Credit Points

Year 1			
SHS 951	Nutrients and Metabolism1	Autumn	8
SHS 952	Research in Human Nutrition1	Autumn	8
SHS 953	Community and Public Health Nutrition1	Autumn	8
DIET950	Dietetics 12	Spring	8
DIET955	Research Project in Nutrition & Dietetics	Spring	16
Year 2			
DIET951	Dietetics 2	Autumn	8
DIET952	Communication in Health Care Practice	Autumn	8
DIET956	Food Service and Dietetics Management	Autumn	8
DIET954	Practical Studies in Nutrition and Dietetics	Spring	24

1 Graduates of the BSc (Nutrition) degree from the University of Wollongong may apply for exemption from these subjects.

2 Students who have completed Dietetics 1 in the Bachelor of Science (Nutrition) at the University of Wollongong should apply for an Exemption B for this subject and take GHMA997 Major Project in Spring of Year 1.

Credit

Depending on their undergraduate degree, students can apply for credit of up to a maximum of 24 credit points, which would allow completion in 18 months of full-time study.

Professional Recognition

Graduates holding the Master of Science (Nutrition and Dietetics) are eligible for membership of the Dietitians Association of Australia (DAA), and may be employed as nutritionists/dietitians in Australia and certain overseas countries.

Student Income Support

In 2007, the Department of Education, Employment and Workplace Relations (DEEWR) announced that it has made provisions to extend student income support (Austudy and Youth Allowance) to students undertaking professionally oriented masters programs.

The Master of Science (Nutrition and Dietetics) has been approved by DEEWR as an eligible Masters programme for Student Income Support.

Students who have queries about their income support eligibility should contact Centrelink on 13 2490 for further information.

Further Information

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Master of Science (Nutrition, Dietetics and Exercise Rehabilitation)

Testamur Title of Degree:	Master of Science (Nutrition, Dietetics and Exercise Rehabilitation)
Abbreviation:	MSc
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	104
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574N
CRICOS Code:	026169E

Overview

The Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) is designed to meet core fields of competency defined by the dietetics and exercise science professions, including key areas of clinical dietetics practice, community and public health nutrition, food service systems management, exercise prescription, exercise rehabilitation and clinical practicum studies.

Entry Requirements / Assumed Knowledge

It should be noted that the last intake into the Master of Science (Nutrition, Dietetics & Exercise Rehabilitation) will be in 2012. Applicants will be required to hold a Bachelor of Science (Exercise Science and Nutrition) from UOW.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum of 6.0 in all bands of reading, writing, speaking and listening.

Course Requirements

The Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) requires the successful completion of 104 credit points of subjects in accordance with the table below.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases under the Additional Information Section. Clearances will be required before the placements and research project and students should discuss this matter with the Exercise Rehabilitation Coordinator well ahead of time as clearances can take several weeks to process.

Subject Code	Subject Name	Session	Credit Points
Year 1			
EXSC920	Clinical Exercise Physiology	Autumn	24
SHS 900	Research Projects	Autumn	8
DIET950	Dietetics 1	Spring	8
EXSC921	Clinical Practicum	Spring	16
Year 2			
DIET951	Dietetics 2	Autumn	8
DIET956	Food Service & Dietetics Management	Autumn	8
GHMA929	Exercise Psychology & Dietary Counselling	Autumn	8
DIET954	Practical Studies in Nutrition & Dietetics	Spring	24

Professional Recognition

The Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) is designed to provide a qualification recognised by the Dieticians Association of Australia (DAA) and the Australian Association for Exercise & Sports Science (AAESS).

Student Income Support

In 2007, the Department of Education, Employment and Workplace Relations (DEEWR) announced that it has made provisions to extend student income support (Austudy and Youth Allowance) to students undertaking professionally oriented masters programs.

The Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) has been approved by DEEWR as an eligible Masters programme for Student Income Support.

Students who have queries about their income support eligibility should contact Centrelink on 13 2490 for further information.

Further Information

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Master of Science (Occupational Health and Safety)

Testamur Title of Degree:	Master of Science (Occupational Health and Safety)
Abbreviation:	MSc(OHS)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Combination of Face-to-face and flexible delivery)
Starting Session(s):	Autumn, Spring, Summer
Location:	Wollongong
UOW Course Code:	574_6
CRICOS Code:	048497G

Overview

The Master of Science (Occupational Health and Safety) provides an intensive professional program of study in the area of OH&S with a focus on the practical aspects. This degree also allows students to develop research skills related to professional practice in OH&S.

Entry Requirements / Assumed Knowledge

For direct entry into the Master of Science (Occupational Health and Safety) a recognised 3 year Bachelors degree is required. In addition, applicants must demonstrate that their degree contains the equivalent of 1 year of science subjects.

Completion of the Graduate Certificate in Occupational Health and Safety at UOW with a credit average serves as an alternative basis for entry into the Master of Science (Occupational Health and Safety) for applicants who do not hold a Bachelors degree.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of at least 6.0 in all bands of reading, writing, speaking and listening.

Course Requirements

The Master of Science (Occupational Health and Safety) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
LAW 969	OH&S Law**	Autumn	6
SHS 971	OH&S Risk Management	Autumn	6
SHS 973	Behavioural Change: Human Factors in OH&S	Autumn	6
SHS 980	Epidemiology & Toxicology for OHS Practitioners	Autumn	6
SHS970	Advanced Workplace Injury Management	Spring	6
SHS 972	Principles of Occupational Hygiene	Summer	6
SHS970	Ergonomics in Practice	Summer	6
Plus 6 credit points of electives from the list below:			
SHS 974	Measurement of Hazardous Substances	Autumn	6
SHS 975	Thermal Environment	Winter	6
SHS 976	Noise- Measurement and Its Effects	Winter	6
SHS 978	Asbestos and Other Fibres	Spring	6

SHS subjects listed above are taught in block delivery modes that require on-campus attendance. Please consult the OHS academic program website at www.uow.edu.au/health/healthsciences/ohspgprogramme for details.

**This subject is run by the Faculty of Law and runs in block format, please consult the Faculty of Law for details.

Professional Recognition

Graduates are encouraged to seek membership of leading professional institutes or societies (subject to their membership grading rules) such as the following:

- Australian Institute of Occupational Hygienists Inc.
- Safety Institute of Australia
- Human Factors & Ergonomics Society of Australia

Registered nurses who complete the Graduate Certificate in Science (OHS) or Master of Science (OHS) are eligible to apply for membership of the Australian College of Occupational Health Nurses (subject to their grading rules).

Further Information

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Master of Science (Occupational Hygiene Practice)

Testamur Title of Degree:	Master of Science (Occupational Hygiene Practice)
Abbreviation:	MSc(OHP)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time
Total Credit Points:	48
Delivery Mode:	On campus (Block delivery)
Starting Session(s):	Autumn, Winter, Spring, Summer
Location:	Wollongong
UOW Course Code:	574A
CRICOS Code:	048497G

Overview

The Master of Science (Occupational Hygiene Practice) provides an intensive professional program of study in the area of Occupational Hygiene with the opportunity to develop a specialisation in one or more industry streams such as the mining or oil and gas industries.

Entry Requirements / Assumed Knowledge

The Master of Science program is for those who want to pursue a career in Occupational Hygiene. Applicants with a Bachelors degree with at least 1 year of science subjects or a credit average in the Graduate Certificate in Occupational Hygiene Practice may apply.

Completion of the Graduate Certificate in Occupational Hygiene Practice with a credit average serves as an alternative basis for entry into the Master of Science (Occupational Hygiene Practice) for applicants who do not have a Bachelors degree.

International students are required to have achieved an IELTS score of 6.5, with a minimum of 6.0 in all bands of reading, writing, speaking and listening. Alternatively, a letter of support from the students' employer indicating their English Language ability must be supplied.

Course Requirements

The Master of Science (Occupational Hygiene Practice) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
SHS 974	Measurement of Hazardous Substances	Autumn	6
SHS 980	Epidemiology & Toxicology for OHS Practitioners	Autumn	6
SHS 983	Occupational Hygiene Project	Autumn or Spring	6
SHS 977	Control of Hazardous Substances	Spring	6
SHS 976	Noise-Measurement & Its Effects	Winter	6
Plus 18 credit points of elective subjects from the list below:			
SHS 975	Thermal Environment	Winter	6
SHS 978	Asbestos & Other Fibres	Spring	6
SHS 979	Ergonomics Essentials	Summer	6
SHS 981	Occupational Hygiene in the Oil & Gas Industry	Summer	6
SHS 982	Occupational Hygiene in the Mining Industry	Summer	6

Note: all subjects are taught in block delivery modes which require on-campus attendance. Please consult the OHS academic program website at http://www.uow.edu.au/health/healthsciences/ohspgprogramme/index.html for details.

Professional Recognition

This course is accredited by the Australian Institute of Occupational Hygienists (AIOH) as meeting the educational requirements for full membership.

This course is also accredited by the British Occupational Hygiene Society (BOHS) for exemption of the Certificate and Diploma core examination offered by the Faculty of Occupational Hygiene. Successful completion of this course counts as 1 year of the experience requirement of the BOHS.

Further Information

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Master of Public Health

Testamur Title of Degree:	Master of Public Health
Abbreviation:	MPH
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	*Varies depending on the streams chosen:
Starting Session(s):	Autumn, Spring
Location:	Wollongong campus
UOW Course Code:	580
CRICOS Code:	009245F

*The Core stream: Public Health and Stream D: Social Marketing for Health will be available in distance mode from 2010. Stream A: Health Promotion, Stream B: Public Health Nutrition, and Stream C: Occupational Health and Safety are offered on campus only in 2010.

From 2011 Stream B: Public Health Nutrition may become available via distance study. Please refer to 2011 Course Handbook at the time of publication.

Overview

The Master of Public Health at the University of Wollongong is designed to give students a broad introduction to public health. It also enables students to develop knowledge and skills in one of four specialist areas in which the University excels: health promotion, public health nutrition, occupational health and safety, and social marketing in health. The University has a strong teaching tradition which supports students to study part or full time, on-campus or off-campus.

Entry Requirements / Assumed Knowledge

Applicants must hold a Bachelors degree of at least three years duration from a recognised tertiary institution, or equivalent. Applicants with other acceptable qualifications and work experience may be admitted on completion of a designated Graduate Certificate program.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands of reading and writing, speaking and listening.

Course Requirements

The Master of Public Health requires the successful completion of 48 credit points of subjects in accordance with the tables below.

All students must complete the Core: Public Health, and choose on of 4 streams available. Each stream consists of 24 credit points.

Commencing International students should consult with the Postgraduate Public Health Coordinator regarding their subject choices, as these students are required to enrol in SHS931 Public Health Communication and Data Skills in the first session of study and are not permitted to replace this subject with an elective.

Core Stream: Public Health

Subject Code	Subject Name	Session	Credit Points
SHS 931 #	Public Health Communication and Data Skills	Autumn or Spring	6

Or

6 credit points of an approved elective subject

SHS 933	Social Determinants of Health	Autumn	6
SHS 932	Epidemiology	Spring	6
SHS 940	Statistics in Health Research	Spring	6

Note: students who complete the 24 cp of core MPH subjects can apply to graduate with a Graduate Certificate in Public Health. Academic advice should be sought prior to applying to graduate★.

International students are required to complete SHS931 in their first session of study and may not choose an elective in its place. Domestic students may elect to complete SHS931 or choose 6cp of an approved elective subject.

Stream A: Health Promotion

Subject Code	Subject Name	Session	Credit Points
SHS 934	Health Promotion	Autumn	6
SHS 935	Public Health Policy	Autumn	6
SHS 930	Health Promotion Competencies	Spring	6
SHS 941	Health Research Methodology	Spring	6

Note: students who complete the 24cp required for Stream A: Health Promotion can apply to graduate with a Graduate Certificate in Health Promotion. Academic advice should be sought prior to applying to graduate★.

Stream A: Health Promotion is not available via Distance. Subjects require normal on-campus attendance throughout the academic session.

Stream B: Public Health Nutrition

Subject Code	Subject Name	Session	Credit Points
SHS 936	Public Health Nutrition	Autumn	6
SHS 938	Food and Nutrition Monitoring and Surveillance	Autumn	6
SHS 937	Nutrition Promotion	Spring	6
SHS 939	Food and Nutrition Policy	Spring	6

Note: students who complete the 24cp required for Stream B: Public Health Nutrition can apply to graduate with a Graduate Certificate in Public Health Nutrition. Academic advice should be sought prior to applying to graduate★.

Stream B: Public Health Nutrition is not available via Distance. Subjects are taught in block delivery which requires on-campus attendance.

Stream C: Occupational Health and Safety

Subject Code	Subject Name	Session	Credit Points
LAW 969	Occupational Health and Safety Law	Autumn	6
SHS 971	OHS Risk Management	Autumn	6
SHS 970	Advanced Workplace Injury Management	Spring	6
SHS 972	Principles of Occupational Hygiene	Summer	6

Note: students who complete the 24cp required for Stream C: Occupational Health and Safety can apply to graduate with a Graduate Certificate in Occupational Health and Safety. Academic advice should be sought prior to applying to graduate★.

Stream C: Occupational Health and Safety is not available via Distance. All Subjects are taught in block delivery mode which requires on-campus attendance.

Stream D: Social Marketing for Health

Subjects Code	Subject Name	Session	Credit Points

CHIP911	Social Marketing for Health	Autumn	6
CHIP912	Advanced Studies in Behaviour Change	Spring	6
CHIP913	Social Marketing Practice	Spring	6
GHMD930	Mass Media & Population Health	Autumn	6

Note: students who complete the 24cp required for Stream D: Social Marketing for Health can apply to graduate with a Graduate Certificate in Social Marketing for Health. Academic advice should be sought prior to applying to graduate*.

Stream D: Social Marketing for Health is available via on-campus or distance delivery.

The Master of Public Health articulates with the following graduate certificates:

Graduate Certificate in Public Health

Graduate Certificate in Health Promotion

Graduate Certificate in Public Health Nutrition

Graduate Certificate in Occupational Health and Safety

Graduate Certificate in Social Marketing for Health

Students who commence in one of the Graduate Certificates above may apply to progress into the MPH program. Please note that an application to transfer into the MPH must be lodged prior to an application to graduate from the Graduate Certificate in order to receive the maximum amount of credit if the transfer is successful. Students considering this option must seek academic advice before lodging an application for transfer or graduation.

*For students who enter directly into the MPH program, there are several potential exit points prior to completion of the full MPH program, depending on which subjects have been completed. Students wishing to exit the MPH prior to completion of the required 48cp points may do so in accordance with the Core or Stream tables listed above. The core MPH subjects and streams each equate directly to a particular Graduate Certificate qualification. Students must be aware however, that once they have exited the MPH program by graduating with a Graduate Certificate, University General Course Rules may prohibit full credit for subjects already completed should they choose to return to the MPH program at a later date. Students who are considering exiting the MPH program early should discuss this in detail with the Course Coordinator prior to making a final decision or lodging an application to transfer or graduate.

Further Information

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Master of Public Health Advanced

Testamur Title of Degree:	Master of Public Health Advanced
Abbreviation:	MPHAdv
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Mixed, dependent on stream chosen; refer to streams in the MPH for details
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1619
CRICOS Code:	N/A

Overview

The Master of Public Health Advanced at the University of Wollongong is designed to give students a broad introduction to public health. It also enables students to develop knowledge and skills in one of four specialist areas in which the University excels: health promotion, public health nutrition, occupational health and safety, and social marketing for health. The University has a strong teaching tradition which supports students to study part or full time, on-campus or off-campus.

In addition to completing the MPH program, students in the MPHAdv complete a 24 credit point research project which provides them with an opportunity to undertake independent study in an area of interest.

Entry Requirements / Assumed Knowledge

Applicants normally apply to transfer into the MPHAdv in the final session of their MPH program. A minimum of a credit average in the MPH subjects is required, together with the availability of an appropriate academic supervisor.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands of reading and writing, speaking and listening.

Course Requirements

The Master of Public Health Advanced requires the successful completion of 72 credit points of subjects in accordance with the table below.

The Master of Public Health Advanced articulates with the Master of Public Health such that students in the MPH may apply to transfer to the MPHAdv and receive credit for all subjects completed in the MPH. Please note however that an application to transfer into the MPHAdv must be lodged prior to an application to graduate from the MPH in order to receive the maximum amount of credit should the transfer be approved. Students considering this option must seek academic advice before lodging an application for transfer or graduation.

Subject Code	Subject Name	Session	Credit Points
GHMD997	Research Project	Autumn, Spring, Annual	24
Completed Master of Public Health program			24

Further Information

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Graduate Diploma in Science (Biomedical Science)

Testamur Title of Degree:	Graduate Diploma in Science (Biomedical Science)
Abbreviation:	GDipSc
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	650
CRICOS Code:	002508M

Overview

The Graduate Diploma in Science (Biomedical Science) is designed to give graduates further training in one of the discipline areas of biomedical science.

Entry Requirements / Assumed Knowledge

Entry into the Graduate Diploma in Science (Biomedical Science) requires the successful completion of a Bachelor degree of at least 3 years duration from a recognised tertiary institution, with emphasis in biomedical science. Applicants must include a statement of purpose with their application form.

It is possible to admit only a limited number of students each year. If the number of applicants exceeds the quota, admission will be based on academic qualifications.

International students are required to have overall an IELTS score of 6.5, with a minimum level of 6.0 in all bands of reading, writing, speaking and listening.

Course Requirements

The Graduate Diploma in Science (Biomedical Science) requires successful completion of 48 credit points.

The program is designed specifically for each student's needs and therefore subjects must be selected in consultation with an academic adviser and be approved by the Course Coordinator. Students may choose subjects from discipline areas including anatomy, physiology, biochemistry, exercise physiology and nutrition.

Further Information

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Graduate Certificate in Occupational Health and Safety

Testamur Title of Degree:	Graduate Certificate in Occupational Health and Safety
Abbreviation:	GCertOHS
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring, Summer
Location:	Wollongong
UOW Course Code:	1135
CRICOS Code:	N/A

Overview

The Graduate Certificate in Occupational Health and Safety course provides an entry point for students who don't meet the requirements for direct entry to the Masters degree. The course is designed to permit students to transfer to the Master of Science (Occupational Health and Safety) provided that a credit average is achieved across all subjects in the Graduate Certificate.

Entry Requirements / Assumed Knowledge

Applicants who hold a degree that doesn't meet the criteria for direct entry to the Masters may be accepted for entry to the Graduate Certificate in Occupational Health & Safety. Applicants who hold a Certificate IV in Workplace Safety or equivalent, plus two years of relevant work experience in an OHS related area, will also be considered.

Course Requirements

The Graduate Certificate in Occupational Health and Safety requires the successful completion of 26 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
LAW 969	Occupational Health and Safety Law**	Autumn	6
SHS 971	OH&S Risk Management	Autumn	6
SHS970	Advanced Workplace Injury Management	Spring	6
SHS 972	Principals of Occupational Hygiene	Summer	6

Note: all SHS subjects listed above are taught in block delivery modes that require on-campus attendance. Please consult the OH&S academic program website at www.uow.edu.au/health/healthsciences/ohspgprogramme for details.

**This subject is run by the Faculty of Law and is delivered in block format. Please consult the Faculty of Law for details.

Credit Towards Other Courses

The Graduate Certificate in Occupational Health and Safety articulates with the Master of Science (Occupational Health & Safety). All subjects successfully completed in the Graduate Certificate in OH&S will count as credit towards the MSc (OHS) upon successful transfer provided that the student has not graduated from the Graduate Certificate in OH&S. Students intending to apply to transfer to the MSc (OH&S) should note that once they have graduated from the Graduate Certificate in OH&S, University General Course Rules may prohibit full credit for subjects already completed should they apply to return to the MSc program at a later date. Therefore students considering this option must discuss this with the Program Coordinator prior to applying for graduation or transfer.

Further Information:

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Graduate Certificate in Occupational Hygiene Practice

Testamur Title of Degree:	Graduate Certificate in Occupational Hygiene Practice
Abbreviation:	GCertOHP
Home Faculty:	Health and Behavioural Sciences
Duration:	6 months full-time or 1 year part-time
Total Credit Points:	24
Delivery Mode:	On campus (Block delivery)
Starting Session(s):	Autumn, Winter, Spring, Summer
Location:	Wollongong
UOW Course Code:	1177
CRICOS Code:	064118A

Overview

The Graduate Certificate in Occupational Hygiene Practice aims to develop the basic skills necessary to evaluate workplaces for worker exposure to hazardous substances. Skills will also be developed in the control of hazardous substances after they have been identified and evaluated.

Entry Requirements / Assumed Knowledge

The Graduate Certificate program has been designed as an entry course for those who may not have an undergraduate degree but have relevant work experience and have completed a "Fundamentals in Occupational Hygiene" course offered by an acceptable professional society or equivalent. The program is designed so that students may progress from the Graduate Certificate through to the Masters degree, provided a credit average is maintained throughout the Graduate Certificate.

Course Requirements

The Graduate Certificate in Occupational Hygiene Practice course requires the successful completion of 24 credit points of subjects in accordance with the table below.

Course Program

Subject Code	Subject Name	Session	Credit Points
SHS974	Measurement of Hazardous Substances	Autumn	6
SHS976	Noise-Measurement & Its Effects	Winter	6
SHS977	Control of Hazardous Substances	Spring	6
SHS980	Epidemiology & Toxicology for OHS Practitioners	Autumn	6

Note: all subjects are taught in block delivery modes that require on-campus attendance. Please consult the OHS academic program website at www.uow.edu.au/health/healthsciences/ohspgprogramme for details.

Credit Towards Other Courses

The Graduate Certificate in Occupational Hygiene Practice articulates with the Master of Science (Occupational Hygiene Practice). All subjects successfully completed in the Graduate Certificate in OHP will count as credit towards the MSc (OHP) upon successful transfer provided that the student has not graduated from the Graduate Certificate in OHP. Students intending to apply to transfer to the MSc (OHP) should note that once they have graduated from the Graduate Certificate in OHP, University General Course Rules may prohibit full credit for subjects already completed should they apply to return to the MSc program at a later date. Therefore students considering this option must discuss this with the Program Coordinator prior to applying for graduation or transfer.

Further Information:

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Graduate Certificate in Public Health

Testamur Title of Degree:	Graduate Certificate in Public Health
Abbreviation:	GCertPubHlth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On-campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1130
CRICOS Code:	N/A

Overview

The aim of this program is to provide health professionals and others with the opportunity to develop competencies in public health.

Entry Requirements / Assumed Knowledge

Entry to the Graduate Certificate in Public Health requires a three year undergraduate degree (or equivalent) from a recognised tertiary institution. An applicant holding other acceptable qualifications may be admitted to this course on a case-by-case basis.

Course Requirements

The Graduate Certificate in Public Health requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
SHS 931	Public Health Communication and Data Skills	Autumn	6
Or			
6cp elective subject			
SHS 933	Social Determinants of Health	Autumn	6
SHS 932	Epidemiology	Spring	6
SHS 940	Statistics in Health Research	Spring	6

Credit Towards Other Courses

On completion of the Graduate Certificate in Public Health, students may apply to transfer into the Master of Public Health as the Graduate Certificate in Public Health articulates with that Masters program. Successful applicants will be required to complete a further 24 credit points of course work for the Master of Public Health program in accordance with the requirements for that degree.

Students considering whether to articulate from the Graduate Certificate into a higher qualification or not must seek academic advice prior to applying to graduate from the Graduate Certificate. The University General Course Rules are such that students who graduate from a Graduate Certificate and then later seek entry to a related Masters program may not be able to receive the full amount of credit that is normally available under the articulation agreement.

Further Information

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Graduate Certificate in Public Health Nutrition

Testamur Title of Degree:	Graduate Certificate in Public Health Nutrition
Abbreviation:	GCertPHN
Home Faculty:	Health and Behavioural Sciences
Duration:	6 months full-time or 1 year part-time
Total Credit Points:	24
Delivery Mode:	On campus (Combination of Face-to-face and Flexible Delivery) Distance available from 2011
Starting Session(s):	Autumn, Spring
Location:	Wollongong Campus
UOW Course Code:	1184
CRICOS Code:	N/A

Overview

The aim of this program is to provide health professionals and others with the opportunity to develop competencies in public health nutrition.

Entry Requirements / Assumed Knowledge

Entry to the Graduate Certificate in Public Health Nutrition requires a three year undergraduate degree (or equivalent) from a recognised tertiary institution. Normally applicants require an undergraduate program in nutrition to be considered eligible to apply. An applicant holding other acceptable qualifications may be admitted to this course on a case-by-case basis.

Course Requirements

The Graduate Certificate in Public Health Nutrition requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
SHS 936	Public Health Nutrition	Autumn	6
SHS 938	Food and Nutrition Monitoring and Surveillance	Autumn	6
SHS 937	Nutrition Promotion	Spring	6
SHS 939	Food and Nutrition Policy	Spring	6

Credit Towards Other Courses

On completion of the Graduate Certificate in Public Health Nutrition, students may apply to transfer into the Master of Public Health as the Graduate Certificate in Public Health Nutrition articulates with that Masters program. Successful applicants will be required to complete a further 24 credit points of course work for the Master of Public Health program in accordance with the requirements for that degree.

Students considering whether to articulate from the Graduate Certificate into a higher qualification or not must seek academic advice prior to applying to graduate from the Graduate Certificate. The University General Course Rules are such that students who graduate from a Graduate Certificate and then later seek entry to a related Masters program may not be able to receive the full amount of credit that is normally available under the articulation agreement.

Further Information

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Graduate Certificate in Health Promotion

Testamur Title of Degree:	Graduate Certificate in Health Promotion
Abbreviation:	GCertHlthProm
Home Faculty:	Health and Behavioural Sciences
Duration:	6 months full-time or 1 year part-time
Total Credit Points:	24
Delivery Mode:	On-campus Distance available from 2011
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1183
CRICOS Code:	N/A

Overview

The aim of this program is to provide health professionals and others with the opportunity to develop competencies in health promotion.

Entry Requirements / Assumed Knowledge

Entry to the Graduate Certificate in Health Promotion requires a three year undergraduate degree (or equivalent) from a recognised tertiary institution. An applicant holding other acceptable qualifications may be admitted to this course on a case-by-case basis.

Course Requirements

The Graduate Certificate in Health Promotion requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
SHS 934	Health Promotion	Autumn	6
SHS 935	Public Health Policy	Autumn	6
SHS 930	Health Promotion Competencies	Spring	6
SHS 941	Health Research Methodology	Spring	6

Credit Towards Other Courses

On completion of the Graduate Certificate in Health Promotion, students may apply to transfer into the Master of Public Health as the Graduate Certificate in Health Promotion articulates with that Masters program. Successful applicants will be required to complete a further 24 credit points of course work for the Master of Public Health program in accordance with the requirements for that degree.

Students considering whether to articulate from the Graduate Certificate into a higher qualification or not must seek academic advice prior to applying to graduate from the Graduate Certificate. The University General Course Rules are such that students who graduate from a Graduate Certificate and then later seek entry to a related Masters program may not be able to receive the full amount of credit that is normally available under the articulation agreement.

Further Information

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Graduate Certificate in Advanced Dietetic Practice

Testamur Title of Degree:	Graduate Certificate in Advanced Dietetic Practice
Abbreviation:	GradCertAdvDietPrac
Home Faculty:	Health and Behavioural Sciences
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1170
CRICOS Code:	061882M

Overview

This is a course for practising dietitians (with a minimum of 3 years professional experience) who wish to undertake further study and develop their career whilst continuing to practise. The course provides opportunities for students to:

- Enhance their skills of reflection
- Enhance their skills of research design, data collection, program evaluation and statistical analysis
- Select and apply appropriate approaches in order to advance dietetic practice
- Engage in academic debate involving issues relating to practice and evidence-based approaches

The course will also assist current Accredited Practising Dietitians who may wish to apply for the title of Advanced Practitioner with the Dietitians Association of Australia (DAA). On completion of this course, students will be able to provide evidence of advanced knowledge and skills in many elements of three of the five key competency areas that need to be included in a dossier of supporting evidence: 'Research and Evaluation', 'Strategic and Reflective Practice' and Professional Competence'.

Entry Requirements / Assumed Knowledge

Applicants must possess professional Dietetics qualifications suitable for membership of the Dietitians Association of Australia, with at least 3 years experience as a practising dietitian.

International applicants require an IELTS of 7.0

Course Requirements

The Graduate Certificate in Advanced Dietetic Practice requires the successful completion of 24 credit points of subjects in accordance with the table below.

The course will take a minimum of one semester to complete full-time, but is more likely to be completed part-time over a 2 year period. Many subjects are available via flexible or distance learning, to allow students to enrol by distance if required. The course is composed of 3 core subject areas (reflective practice, research methods, and advanced dietetic practice) and one elective (in areas of management, public health, research methods and marketing).

It is recommended that students complete GHMB950 Reflective Practice and one research subject before enrolling in GHMA936 Advanced Dietetic Practice.

Subject Code	Subject Name	Session	Credit Points
Core Subjects			
DIET958	Advanced Dietetic Practice	Autumn, Spring or Annual	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
Plus 6 credit points from:			
CHIP915	Essential Skills for Health Researchers	Autumn	6
SHS 952	Research in Human Nutrition	Autumn	8
SHS 940	Statistics in Health Research	Spring	6
SHS 941	Health Research Methodology	Spring	6
And 6 credit points from:			
SHS 939	Food and Nutrition Policy		6
CHIP911	Social Marketing for Health	Autumn	6
CHIP912	Advanced Studies in Behaviour Change	Autumn	6
CHIP915	Essential Skills for Health Researchers★	Autumn	6
SHS 952	Research in Human Nutrition★	Autumn	6
GHMB925	Effective Leadership in Health	Autumn or Spring	6
TBS 901	Accounting for Managers	Autumn or Spring	6
TBS 903	Managing People in Organisations	Autumn or Spring	6
CHIP913	Social Marketing Practice	Spring	6
GHMC984	Social Psychology & Health	Spring	6
SHS 940	Statistics in Health Research★	Spring	6
SHS 941	Health Research Methodology★	Spring	6

TBS 904	Marketing Management	Spring	6

* not permitted as elective if taken as a core subject.

Further Information

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Master of Health Leadership and Management

Testamur Title of Degree:	Master of Health Leadership and Management
Abbreviation:	MHlthLeadMgmt
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn, Spring, Summer
Delivery Mode:	On-campus (Face-to-face)
Location:	Wollongong
UOW Course Code:	1567
CRICOS Code:	059753E

Overview

This course is designed for practicing health professionals seeking to develop their management and leadership skills.

This flexible program allows students to select from a variety of Graduate Certificate degrees and tailor their Masters program to suit their professional development requirements.

Entry Requirements

Students can enter the Master of Health Leadership and Management degree via either of the pathways detailed below:

Applicants with a Bachelor degree of at least three years duration from a recognised tertiary institution or equivalent, together with a minimum of two years full-time relevant work experience will be admitted to the Master of Health Leadership and Management degree. Upon commencement of the degree, students will nominate two Graduate Certificate degrees within the course structure.

Alternatively, applicants may apply to enrol in one of the Graduate Certificate degrees listed within the MHLM course structure, provided they meet the entry requirements as specified for this Graduate Certificate by the relevant Faculty. Upon successful completion of the Graduate Certificate with an average mark of at least 60 per cent, students may apply to progress to the Master of Health Leadership and Management with credit for previous studies completed.

Course Requirements

The Master of Health Leadership and Management requires the successful completion of 48 credit points of subjects in accordance with two of the Graduate Certificates listed below. Students who enrol directly into the Master of Health Leadership and Management will be required to meet with the Course Co-ordinator and discuss which two of the graduate certificate programs will comprise the course.

Those students who enrol initially in one of the Graduate Certificate degrees listed below will be eligible to progress to the Master of Health Leadership and Management upon successful completion with an average mark of at least 60 per cent. Eligible candidates articulate to the Master of Health Leadership and Management and complete a further 24 credit points of subjects, based on one of the other graduate certificate programs listed below.

At least one of the graduate certificate programs must be chosen from those offered by the Faculty of Health and Behavioural Sciences. As leadership is a core component of this program, students must either complete the Graduate Certificate in Health Leadership and Management OR successfully complete the subject TBS903 Managing People in Organisations within one of the other Graduate Certificates.

Faculty of Health and Behavioural Sciences

Graduate Certificate in Health Leadership and Management

Graduate Certificate in Health Practice Development and Facilitation

Graduate Certificate in Health Research

Sydney Business School

Graduate Certificate in Business Administration

Graduate Certificate in Logistics

Graduate Certificate in Management

Faculty of Informatics

To be advised.

Course structures for individual Graduate Certificate degrees can be found in the relevant Faculty's Handbook.

Credit

Candidates must successfully complete a total of 48 credit points across two graduate certificates; no credit will be granted for subjects completed in the first graduate certificate degree toward the second graduate certificate. Students who successfully complete one of the Graduate Certificate programs listed in the course requirements with an average mark of at least 60 per cent may apply to progress to the MHLM and receive credit for 24 of the 48 credit points required for the Masters.

Further Information

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Master of Indigenous Health

Testamur Title of Degree:	Master of Indigenous Health
Abbreviation:	MIndHealth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Distance*
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1618
CRICOS Code:	N/A

Overview

The Master of Indigenous Health is currently delivered through distance education. The course provides students with knowledge and skills to effectively address Indigenous community health, community development, and cultural issues in relation to Indigenous health.

Entry Requirements / Assumed Knowledge

A Bachelors degree of at least 3 years duration or Graduate Diploma (or equivalent) from a recognised tertiary institution is required for entry. Recognition may be given for relevant work experience and prior learning.

Course Requirements

The Master of Indigenous Health requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB940	Indigenous Family Studies	Autumn	6
GHMB943	Health and Human Ecology	Autumn	6
GHMB941	Indigenous Health Patterns	Spring	6
GHMB944	Community Resource Planning	Spring	6
Plus 24 credit points of subjects as per the list below:			
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB952	Special Topic	Not available in 2010	12
Or 24 credit points of research as per the following subject:			
GHMB997	Major Project	Annual	24

* for students who elect to take GHMB997 Major Project, on-campus attendance to consult with the research project supervisor will be negotiated as needed.

Further Information

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Master of Nursing

Testamur Title of Degree:	Master of Nursing
Abbreviation:	MNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Combination of Face-to-face and Flexible)
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	583
CRICOS Code:	009251G

Overview

The Master of Nursing is designed to prepare nurses for senior roles in nursing and in the health care system. It is a program of either selected coursework, or by a combination of coursework and a major project.

The aims of the program are to prepare candidates with beginning competence in research methods and design and provide candidates with important current evidence based health care and nursing information. The main objectives are to provide an academic avenue for professional development, knowledge and comprehension of research methods and design and of evidence based practice.

Entry Requirements / Assumed Knowledge

A Bachelors degree in Nursing of at least 3 years duration or a Graduate Certificate in Nursing from a recognised tertiary institution is required.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands of reading and writing, speaking and listening.

Course Requirements

The Master of Nursing requires the successful completion of 48 credit points of subjects in accordance with the table below.

The program may consist entirely of coursework, or may be a combination of coursework and a major project. There are 24 credit points of core subjects that all students must complete. The remaining 24 credit points can be made up from the elective subject list below, or the student may elect to complete their program by undertaking a research project (Major Project).

Course Program

Subject Code	Subject Name	Session	Credit Points
Core Subjects			
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB923	Legal and Professional Issues	Spring	6
SHS 941	Public Health Research Methodology	Spring	6
Elective Subjects			
GHMB954	Studies in Alcohol & Other Drugs	Autumn	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Autumn	6
SHS 933	Social Determinants of Health	Autumn	6
SHS 934	Health Promotion	Autumn	6
SHS 936	Public Health Nutrition	Autumn	6
GHMB902	Effective Management in Health	Autumn or Spring	6
GHMB925	Effective Leadership in Health	Autumn or Spring	6
GHMB926	Coaching Skills for Healthcare Leaders	Autumn or Spring	6
GHMB903	Scientific and Qualitative Development in Acute Care Nursing	Not available in 2010	6
GHMB906	Acute Care Nursing: Reflections on Practice	Not available in 2010	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
SHS 932	Epidemiology	Spring	6
Students who elect to undertake research enrol in:			
GHMB997	Major Project	Autumn or Spring	24

Candidates must also complete on-line TCHR021 Statistical Literacy or demonstrate statistical literacy as a pre-requisite for enrolling in SHS 941.

Further Information

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Master of Nursing (Mental Health)

Testamur Title of Degree:	Master of Nursing (Mental Health)
Abbreviation:	MNurs(MntlHlth)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Combination of Face-to-face and Flexible)
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	583
CRICOS Code:	009251G

Overview

The Master of Nursing (Mental Health) is designed for both practitioners commencing in the specialty of mental health nursing, and experienced Mental Health and Drug and Alcohol Nurses.

Entry Requirements / Assumed Knowledge

A Bachelors degree in Nursing of at least 3 years duration from a recognised tertiary institution, or successful completion of the Graduate Certificate in Mental Health Nursing, and qualification to practise as a Registered Nurse.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands, reading and writing, speaking and listening.

Course Requirements

The Master of Nursing (Mental Health) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases under the Additional Information Section.

Subject Code	Subject Name	Session	Credit Points
GHMB989	Mental Health Nursing: Clinical Principles and Practice	Annual	12
GHMB932	Principles and Practice of Psychosocial Rehabilitation	Autumn	6
GHMB934	Assessment and Diagnosis in Mental Health	Autumn	6
GHMB954	Drug and Alcohol Studies	Autumn	6
GHMB902	Effective Management in Health	Spring	6
GHMB935	Case Management in Mental Health	Spring	6
GHMB950	Reflective Practice 1	Spring	6

Further Information

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Master of Science (Dementia Care)

Testamur Title of Degree:	Master of Science (Dementia Care)
Abbreviation:	MSc
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time
Total Credit Points:	48
Delivery Mode:	On campus (Combination of Face-to-face and flexible) (Note: Core subjects are available by distance delivery)
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574_7
CRICOS Code:	064125B

Overview

The Master of Science (Dementia Care) is a clinically-focussed program that prepares practitioners for advanced professional practice and initiating innovation in the specialist field of dementia.

The course will provide graduates with skills and advanced knowledge in the care of people with dementia. Students will have the opportunities to build on existing knowledge and use work-based learning to enhance client care and service delivery in the multi-disciplinary environment.

Entry Requirements / Assumed Knowledge

A 3 year Bachelors degree in a health-related discipline or equivalent. Applicants who hold professional qualifications in a health-related discipline will also be considered.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands of reading, writing, speaking, and listening.

Course Requirements

The Master of Science (Dementia Care) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Course Program

Subject Code	Subject Name	Session	Credit Points
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB958	Advancements in Dementia Care	Spring	6
GHMB959	Facilitating Innovation and Change: Tools for Practice and Development	Autumn or Spring	6
Plus 24 credit points of elective subjects at 900-Level from the School of Nursing, Midwifery and Indigenous Health			24

Further Information

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Master of Science (Gerontology and Rehabilitation Studies)

Testamur Title of Degree:	Master of Science (Gerontology and Rehabilitation Studies)
Abbreviation:	MSc(GRS)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Combination of Face-to-face and flexible) (Note: Core subjects are available by distance delivery)
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	574_7
CRICOS Code:	064125B

Overview

The Master of Science (Gerontology and Rehabilitation Studies) is designed to provide opportunities for practitioners working with older people or clients with rehabilitation needs to enhance their knowledge and clinical skills in relevant areas. The focus of the course is on enabling practitioners to prepare for new roles related to clinical leadership, management, education, or research, in the area of aged and rehabilitation care. The course provides an environment for multi-disciplinary colleagues to share best practice in addressing the challenges of implementing evidence-based practice, delivering new policy initiatives, and promoting user and carer involvement in care delivery.

Entry requirements/ Assumed knowledge

A Bachelors degree, or equivalent, or successful completion of a Graduate Certificate in a related discipline. Consideration will be given to health professionals who do not hold any diplomas or the degrees listed above.

International students must have an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands, reading and writing, speaking and listening.

Course Requirements

The Master of Science (Gerontology and Rehabilitation Studies) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
Core subjects			
GHMB950	Reflective Practice	Autumn/Spring	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Autumn	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
Elective subjects			
24 credit points at 900-level chosen from Nursing, Midwifery and Indigenous Health and Health Sciences.			24

Further information

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Master of Science (Midwifery)

Testamur Title of Degree:	Master of Science (Midwifery)
Abbreviation:	MSc(Mid)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574_7
CRICOS Code:	064125B

Overview

The Master of Science (Midwifery) program enables Registered Nurses to undertake the recommended theory and clinical experience as required by the Nurses and Midwives Board of NSW, Australia (NMB) in order to be eligible to apply for registration as a midwife with the NMB. The program aims to provide graduates with skills and advanced knowledge to provide continuing care for the woman, her infants, and family during the reproductive phase of her lifespan. During the program, the exploration and clarification of evidence-based midwifery practice is emphasised.

Entry Requirements / Assumed Knowledge

All students undertaking the Master of Science (Midwifery) program for registration as a Midwife with the NMB NSW must be authorised to practice as a Registered Nurse by the NMB NSW prior to commencing the program.

Registered Midwives with the NMB NSW who wish to further their qualifications can undertake the program and be given credit for the clinical component of the degree. International students who are Registered Midwives in their own countries are not eligible for registration with the NMB NSW on the basis of completion of the theoretical component of the program.

All applications are assessed by staff within SNMIH for suitability to undertake the program; a Bachelor of Nursing Degree or equivalent is expected. All applications must be approved by the Associate Head of School.

Applicants required to provide evidence for equivalency for a Bachelor of Nursing degree are reviewed using the following criteria:

- Registered Nurse with a Bachelor degree in a discipline other than nursing;
- Registered Nurse with a Diploma in a discipline other than nursing;
- Registered Nurse with a Graduate Certificate in a discipline other than nursing; or
- a portfolio demonstrating evidence of further education including:
    - Vocational Education Training Accreditation Board (VETAB)
    - a program of study at the College of Nursing
    - workplace based educational programs and/or certificates.

For applicants who are Registered Nurses and/or Registered Midwives but do not hold a three-year Bachelor of Nursing or equivalent as listed, consideration for entry to the Master of Science (Midwifery) may be given on a case-by-case basis. Applicants in this category are encouraged to contact the Course Coordinator to discuss their eligibility for the degree.

The Master of Science (Midwifery) is available to International students. International students who are not registered midwives in their own country must obtain temporary registration as a nurse in New South Wales through the Nurses and Midwives Board of NSW, Australia in order to undertake the clinical subjects.

For international students who are registered midwives in their own country, credit may be awarded for the clinical subjects in recognition of their clinical experiences overseas. However, in accepting any such credit, students must be aware that the Nurses and Midwives Board of NSW will not recognise this credit for the purpose of registering as a midwife in NSW, Australia. International students intending to register and work as midwives in NSW, Australia must complete the full 48 credit point program for the Master of Science (Midwifery) as listed in the Course Program below. In order to undertake the clinical subjects, students must obtain temporary registration as a nurse in New South Wales through the Nurses and Midwives Board of NSW, Australia in addition to the registration they hold in their home country.

Visit www.nmb.nsw.gov.au/ for further details regarding registration eligibility and requirements for nurses and midwives in NSW, Australia.

International students are also 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.

Course Requirements

The Master of Science (Midwifery) requires the successful completion of 48 credit points of subjects in accordance with the table below. These subjects incorporate mandatory clinical experience. Students are required to complete the clinical experience in order to demonstrate that they meet the Nurses and Midwives Board of NSW pre-requisite for registration. For details of these requirements, please seek advice from the Course Coordinator.

In order to attend clinical placements, students are required to have a Criminal Record Check (CRC) clearance. To obtain this, students are required 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 continue in the Master of Science (Midwifery). For students who undertake the program as an employee of a health care facility, the above clearance is undertaken by the employer.

For further information on Criminal Record Checks and Infectious Diseases please see the Additional Information Section.

Subject Code	Subject Name	Session	Credit Points
GHMB911	Midwifery Practice 1*	Autumn	4
GHMB912	Midwifery Practice 2*	Spring	4
GHMB913	Midwifery Practice 3*	Summer	4
GHMB914	Midwifery Management 1 (Art & Science of Midwifery 1)	Autumn	6
GHMB915	Midwifery Management 2 (Art & Science of Midwifery 2)	Spring	6
GHMB916	Human Reproduction	Autumn	6
GHMB917	Midwifery in the Social Context	Spring	6
GHMB923	Legal and Professional Issues	Spring	6
GHMB950	Reflective Practice 1	Spring	6

* Clinical subjects

Professional Recognition

Graduates are eligible to apply for registration as Registered Midwives with the Nurses and Midwives Board of NSW. Registration in other states is assessed individually by the relevant State authority.

Student Income Support

In 2007, the Department of Education, Employment and Workplace Relations (DEEWR) announced that it has made provisions to extend student income support (Austudy and Youth Allowance) to students undertaking professionally oriented masters programs.

The Master of Science (Midwifery) has been approved by DEEWR as an eligible Masters program for Student Income Support.

Students who have queries about their income support eligibility should contact Centrelink on 13 2490 for further information.

Further Information

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Graduate Certificate in Dementia Care

Testamur Title of Degree:	Graduate Certificate in Dementia Care
Abbreviation:	GCertDementiaCare
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On campus (Combination of Face-to-face and flexible) (Note: Core subjects are available in distance with a flexible delivery)
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1176
CRICOS Code:	N/A

Overview

The Graduate Certificate in Dementia Care is a clinically-focussed program that prepares practitioners for advanced professional practice and initiating innovation in the specialist field of dementia.

The course will provide graduates with skills and advanced knowledge in the care of people with dementia. Students will have the opportunities to build on existing knowledge and use work-based learning to enhance client care and service delivery in the multi-disciplinary environment.

Entry Requirements / Assumed Knowledge

A 3 year Bachelors degree in a health-related discipline, or equivalent. Applicants who hold professional qualifications in a health-related discipline will also be considered.

Course Requirements

The Graduate Certificate in Dementia Care requires the successful completion of 24 credit points of subjects in accordance with the table below.

Course Program

Subject Code	Subject Name	Session	Credit Points
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB958	Advancements in Dementia Care	Spring	6
GHMB959	Innovation and Change: Tools for Practice and Development	Autumn or Spring	6

Credit Towards Other Courses

Students may apply to articulate to the Master of Science (Dementia Care), which requires completion of an additional 24 credit points of elective subjects at 900-level from the School of Nursing, Midwifery and Indigenous Health.

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Graduate Certificate in Gerontology and Rehabilitation Studies

Testamur Title of Degree:	Graduate Certificate in Gerontology and Rehabilitation Studies
Abbreviation:	GCertG&RS
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Distance or Flexible
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1165
CRICOS Code:	N/A

Overview

The Graduate Certificate in Gerontology and Rehabilitation Studies is designed to provide opportunities for practitioners working with older people or clients with rehabilitation needs to enhance their knowledge and clinical skills in relevant areas. The focus of the course is on enabling practitioners to prepare for new roles related to clinical leadership, management, education or research, in the area of aged and rehabilitation care. The course provides an environment for multi-disciplinary colleagues to share best practice in addressing the challenges of implementing evidence-based practice, delivering new policy initiatives and promoting user and carer involvement in care delivery.

Entry requirements/ Assumed knowledge

A Professional Certificate in a health-related discipline is required for entry.

Course Requirements

The Graduate Certificate in Gerontology and Rehabilitation requires the successful completion of 24 credit points of subjects in accordance with the table below.

Course Program

Subject Code	Subject Name	Session	Credit Points
Core subjects			
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Autumn	6
GHMB950	Reflective Practice 1	Autumn/Spring	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6

Further information

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Graduate Certificate in Health Leadership and Management

Testamur Title of Degree:	Graduate Certificate in Health Leadership and Management
Abbreviation:	GCertHLM
Home Faculty:	Health and Behavioural Sciences
Duration:	6 months full-time or 1 year part-time
Total Credit Points:	24
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1163
CRICOS Code:	061991F

Overview

This is a course for health professionals including Nurses, Midwives, Allied Health and Medical Practitioners.

It provides opportunities to:

- Understand and practice the skills of effective leadership
- Explore the skills of the effective manager
- Enhance skills of reflection
- Discover the value of coaching skills in healthcare practice

On completion of this course, health professionals will feel confident about their contribution to the challenges they are presented with in their clinical practice and be able to facilitate change through leadership.

Entry Requirements / Assumed Knowledge

All applicants must have a recognised Bachelor's Degree in a health discipline OR equivalent.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands, reading and writing, speaking and listening.

Course Requirements

The Graduate Certificate in Health Leadership and Management requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB926	Coaching Skills for Healthcare Leaders	Autumn/ Spring	6
GHMB925	Effective Leadership in Health	Autumn/ Spring	6
GHMB902	Effective Management in Health	Autumn/ Spring	6
GHMB950	Reflective Practice 1	Autumn/ Spring	6

Credit Towards Other Courses

Students can apply to articulate in to the Master of Nursing, Master of Nursing (Mental Health) and other Masters courses. Please consult the Program Coordinator for information about these options.

Further information :

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Graduate Certificate in Health Practice Development & Facilitation

Testamur Title of Degree:	Graduate Certificate in Health Practice Development & Facilitation
Abbreviation:	GCertHlthPracDevFac
Home Faculty:	Health and Behavioural Sciences
Duration:	6 months full-time or 1 year part-time
Total Credit Points:	24
Delivery Mode:	Flexible (Combination of On-campus and online or distance delivery)
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1182
CRICOS Code:	069354D

Overview

The Graduate Certificate in Health Practice Development and Facilitation will provide graduates with the opportunity to apply theoretical and practical aspects of practice development and to develop the required facilitation and education skills for practice development.

This is a clinically-focussed program that will have opportunities to build on existing knowledge and use work-based learning to promote positive learning opportunities and enhance client care, team working and service delivery in the multi-disciplinary environment.

It is anticipated that participants will already be employed in health services roles and are using or wishing to use practice development and facilitation. This program will enhance their capabilities by providing graduates with the knowledge and skills that prepares candidates for career progression into senior clinical, management, teaching and research roles.

Entry Requirements / Assumed Knowledge

A Bachelors degree in a health related discipline or equivalent is required for entry. Other professional qualifications in a health related discipline may be acceptable for entry, in consultation with Course Coordinator.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands of reading and writing, speaking and listening.

Course Requirements

The Graduate Certificate in Health Practice Development and Facilitation requires the successful completion of 24 credit point of subjects in accordance with the table below.

There are 3 core subjects (18 credit points) that are compulsory; the remaining subject (6 credit points) is an elective subject chosen in consultation with the Course Coordinator.

Subject Code	Subject Name	Session	Credit Points
GHMB950	Reflective Practice 1	Autumn/Spring	6
GHMB959	Facilitating Innovation and Change: Tools for Practice Development	Autumn/Spring	6
GHMB960	Facilitation and Education Skills for Practice Development	Autumn/Spring	6
PLUS 6 credit points of elective subjects from the list below, chosen in consultation with the Course Coordinator			
GHMB951	Reflective Practice 2	Autumn/Spring	6
CHBC918	Critical Appraisal	Autumn	6
CHIP915	Essential Skills for Health Researchers	Autumn	6

Further Information

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Graduate Certificate in Health Research

Testamur Title of Degree:	Graduate Certificate in Health Research
Abbreviation:	GCertHlthRes
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Flexible
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1171
CRICOS Code:	N/A

Overview

This course provides a solid introduction to understanding and conducting health-related research. The core subjects provide grounding in the key skills needed to read, interpret and evaluate published research; to develop and implement a health research project; to evaluate health-related outcomes; and to apply learning about research frameworks and methods to questions experienced in the students' workplace and social environment.

The course fosters excellence in teaching and learning by undertaking an innovative approach to student scholarship, with academics, other professionals and student participation contributing to the creation of a student friendly course that has been designed to be responsive to the individual student's need and to encourage collaboration and active participation in the learning experiences.

This course is suitable for students preparing to undertake higher degree research studies as well as those wishing to develop fundamental research skills for professional practice.

Entry Requirements / Assumed Knowledge

A Bachelor degree of at least three years duration from a recognised tertiary institution, or equivalent is required.

Course Requirements

The Graduate Certificate of Health Research requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
CHIP915	Essential Skills for Health Researchers	Autumn	6
CHBC918	Critical Appraisal	Autumn	6
GHMB950	Reflective Practice 1	Autumn/ Spring	6
CHBC919	Evaluative Research Methodology	Spring	6

Further Information

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Graduate Certificate in Indigenous Health

Testamur Title of Degree:	Graduate Certificate in Indigenous Health
Abbreviation:	GCertIndHealth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1114
CRICOS Code:	N/A

Overview

The Graduate Certificate in Indigenous Health is currently delivered through distance education. The course provides students with the knowledge and skills to effectively address Indigenous community health, community development, and cultural issues in relation to Indigenous Health.

Entry Requirements / Assumed Knowledge

A Bachelors degree of at least 3 years duration from a recognised tertiary institution, or undergraduate diploma or equivalent. Recognition is also given for relevant workplace experience and prior learning.

Course Requirements

The Graduate Certificate in Indigenous Health requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB940	Indigenous Family Studies	Autumn	6
GHMB943	Health and Human Ecology	Autumn	6
GHMB941	Indigenous Health Patterns	Spring	6
GHMB944	Community Health Resource Planning	Spring	6

Or other subjects approved by the Head of School.

Further Information

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Graduate Certificate in Mental Health Nursing

Testamur Title of Degree:	Graduate Certificate in Mental Health Nursing
Abbreviation:	GCertMntlHlthNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On campus (Combination of Face-to-face and Flexible)
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1124
CRICOS Code:	N/A

Overview

The Graduate Certificate in Mental Health Nursing is designed for practitioners in the specialty of mental health nursing and for experienced mental health nurses.

Entry Requirements / Assumed Knowledge

A Bachelors degree in Nursing of at least 3 years duration from a recognised tertiary institution or qualifications to practice as a Registered Nurse or equivalent.

International students are required to have achieved an overall IELTS score of 6.5, with a minimum level of 6.0 in all bands, reading and writing, speaking and listening.

Course Requirements

The Graduate Certificate in Mental Health Nursing requires the successful completion of 24 credit points of subjects in accordance with the table below.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases under the Additional Information Section.

Subject Code	Subject Name	Session	Credit Points
GHMB989	Mental Health Nursing: Clinical Principles & Practice	Annual	12
GHMB934	Assessment and Diagnosis in Mental Health	Autumn	6
GHMB950	Reflective Practice 1	Autumn/Spring	6
Or			
GHMB935	Case Management in Mental Health	Spring	6

Further Information

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Graduate Certificate in Nursing

Testamur Title of Degree:	Graduate Certificate in Nursing
Abbreviation:	GCertNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	6 months full-time or part-time equivalent Note: Majors are only available on a part-time basis
Total Credit Points:	24
Delivery Mode:	On campus (Combination of Face-to-face and Flexible, depending on subjects chosen)
Starting Session(s):	Autumn, Spring
Location:	Wollongong (Majors will require some travel to Sydney Hospital)
UOW Course Code:	1112
CRICOS Code:	065469C Note: Majors are only available on a part-time basis and so are not available to international students on student visas.

Overview

The Graduate Certificate in Nursing is a short, focused course having both academic and industry relevance. It is designed to give students the flexibility to choose subjects that allow professional development to occur in tandem with academic rigour. Candidates may exit following completion of the required subjects, having acquired advanced knowledge in their chosen fields and having been prepared for advanced practice.

Entry Requirements / Assumed Knowledge

A Bachelor degree in Nursing of at least three years duration from a recognised tertiary institution or a qualification to practice as a Registered Nurse or equivalent.

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 of reading, writing, speaking and listening.

Course Requirements

The Graduate Certificate in Nursing requires the successful completion of 24 credit points of subjects in accordance with one of the tables listed below.

The Graduate Certificate of Nursing allows access to four majors in addition to the General Nursing program. The majors are:

Hand Management, Therapy and Rehabilitation

Infection Control

Ophthalmology

Sexual Health

These majors are taught in conjunction with Sydney Hospital and will require travel to Sydney for some of the specialised subjects.

Students must indicate at the time of application to the Graduate Certificate in Nursing whether they wish to be considered for the General Nursing Program or for a Major, as approval for entry to a Major is given by both the University of Wollongong and Sydney Hospital.

General Nursing Program

Students complete 24 credit points from the table below, at least 12 credit points of which must be from the Nursing, Midwifery and Indigenous Health subjects.

Subject Code	Subject Name	Session	Credit Points
Nursing, Midwifery and Indigenous Health Subjects			
GHMB902	Effective Management in Health	Autumn or Spring	6
GHMB903	Scientific and Qualitative Development in Acute Care Nursing	Not available in 2010	6
GHMB906	Acute Care Nursing; Reflections on Practice	Not available in 2010	6
GHMB923	Legal and Professional Issues	Autumn	6
GHMB925	Effective Leadership in Health	Autumn or Spring	6
GHMB926	Coaching Skills for Healthcare Leaders	Autumn or Spring	6
GHMB939	Alcohol and Other Drug Studies	Autumn	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Spring	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
School of Health Sciences Subjects			
SHS 931	Public Health Communication and Data Skills	Autumn or Spring	6
SHS 932	Epidemiology	Spring	6
SHS 933	Social Foundations of Public Health	Autumn	6
SHS 934	Health Promotion	Autumn	6
SHS 936	Public Health Nutrition	Autumn	6

Ophthalmology Major

Students complete 24 credit points from the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB928	Introduction to Ophthalmic Nursing	Spring	6
GHMB929	Developing Ophthalmic Nursing Practice	Spring	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
plus a further 6 credit points from the Nursing, Midwifery and Indigenous Health subjects listed below			
CHIP911	Social Marketing for Health	Autumn	6
CHIP912	Advanced Studies in Behaviour Change	Spring	6
CHIP913	Social Marketing Practice*	Spring	6
CHIP918	Critical Appraisal	Autumn	6
CHIP919	Evaluative Research Methodology	Autumn	6
GHMB902	Effective Management in Health	Autumn or Spring	6
GHMB903	Scientific and Qualitative Development in Acute Care Nursing	Not available in 2010	6
GHMB906	Acute Care Nursing; Reflections on Practice	Not available in 2010	6
GHMB923	Legal and Professional Issues	Autumn	6
GHMB925	Effective Leadership in Health	Autumn or Spring	6
GHMB926	Coaching Skills for Healthcare Leaders	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB954	Studies in Alcohol and Other Drugs	Autumn	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Spring	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
GHMB959	Facilitating Innovation and Change: Tools for Practice Development	Autumn or Spring	6

* Students in CHIP913 select either a Research Proposal stream OR an off-campus clinical placement.

Sexual Health Major

Students complete 24 credit points from the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB918	Introduction to Sexual Health Nursing	Spring	6
GHMB919	Developing Sexual Health Nursing Practice	Spring	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
plus a further 6 credit points from the Nursing, Midwifery and Indigenous Health subjects listed below			
CHIP911	Social Marketing for Health	Autumn	6
CHIP912	Advanced Studies in Behaviour Change	Spring	6
CHIP913	Social Marketing Practice*	Spring	6
CHIP918	Critical Appraisal	Autumn	6
CHIP919	Evaluative Research Methodology	Autumn	6
GHMB902	Effective Management in Health	Autumn or Spring	6
GHMB903	Scientific and Qualitative Development in Acute Care Nursing	Not available in 2010	6
GHMB906	Acute Care Nursing; Reflections on Practice	Not available in 2010	6
GHMB923	Legal and Professional Issues	Autumn	6
GHMB925	Effective Leadership in Health	Autumn or Spring	6
GHMB926	Coaching Skills for Healthcare Leaders	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB954	Studies in Alcohol and Other Drugs	Autumn	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Spring	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
GHMB959	Facilitating Innovation and Change: Tools for Practice Development	Autumn or Spring	6

* Students in CHIP913 select either a Research Proposal stream OR an off-campus clinical placement.

Infection Control Major

Students complete 24 credit points from the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB901	Infection Control Nursing	Spring	12
GHMB950	Reflective Practice 1	Autumn or Spring	6
plus a further 6 credit points from the Nursing, Midwifery and Indigenous Health subjects listed below			
CHIP911	Social Marketing for Health	Autumn	6
CHIP912	Advanced Studies in Behaviour Change	Spring	6
CHIP913	Social Marketing Practice*	Spring	6
CHIP918	Critical Appraisal	Autumn	6
CHIP919	Evaluative Research Methodology	Autumn	6
GHMB902	Effective Management in Health	Autumn or Spring	6
GHMB903	Scientific and Qualitative Development in Acute Care Nursing	Not available in 2010	6
GHMB906	Acute Care Nursing; Reflections on Practice	Not available in 2010	6
GHMB923	Legal and Professional Issues	Autumn	6
GHMB925	Effective Leadership in Health	Autumn or Spring	6
GHMB926	Coaching Skills for Healthcare Leaders	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB954	Studies in Alcohol and Other Drugs	Autumn	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Spring	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
GHMB959	Facilitating Innovation and Change: Tools for Practice Development	Autumn or Spring	6

* Students in CHIP913 select either a Research Proposal stream OR an off-campus clinical placement.

Hand Management, Therapy and Rehabilitation Major

Students complete 24 credit points from the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB948	Hand Management, Therapy and Rehabilitation	Spring	6
GHMB949	Developing Hand Nursing Practice	Spring	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
plus a further 6 credit points from the Nursing, Midwifery and Indigenous Health subjects listed below			
CHIP911	Social Marketing for Health	Autumn	6
CHIP912	Advanced Studies in Behaviour Change	Spring	6
CHIP913	Social Marketing Practice*	Spring	6
CHIP918	Critical Appraisal	Autumn	6
CHIP919	Evaluative Research Methodology	Autumn	6
GHMB902	Effective Management in Health	Autumn or Spring	6
GHMB903	Scientific and Qualitative Development in Acute Care Nursing	Not available in 2010	6
GHMB906	Acute Care Nursing; Reflections on Practice	Not available in 2010	6
GHMB923	Legal and Professional Issues	Autumn	6
GHMB925	Effective Leadership in Health	Autumn or Spring	6
GHMB926	Coaching Skills for Healthcare Leaders	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB954	Studies in Alcohol and Other Drugs	Autumn	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Spring	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
GHMB959	Facilitating Innovation and Change: Tools for Practice Development	Autumn or Spring	6

* Students in CHIP913 select either a Research Proposal stream OR an off-campus clinical placement.

Further Information

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Graduate Certificate in Practice Nursing

Testamur Title of Degree:	Graduate Certificate in Practice Nursing
Abbreviation:	GCertPractNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On campus (Combination of Face-to-face and Flexible)
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1150
CRICOS Code:	N/A

Overview

This course is aimed at registered nurses working within general practice. It aims to inform the course participants of the sociological, economic and political aspects of general practice, as well as foster best practice principles in relation to clinical nursing practice within the general practice context.

This course has a strong emphasis on clinical skill development and decision-making within general practice. The development of this course has been in association with divisions of general practice and practice nurses both nationally and internationally.

Entry Requirements / Assumed Knowledge

Applicants must be a registered nurse within Australia; preferably currently employed as a practice nurse; however, registered nurses who are not currently employed as a practice nurse may enrol upon advice from the Course Coordinator.

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. They must also be a registered nurse in Australia, or have acquired temporary nurse's registration in Australia.

Course Requirements

The candidate is required to undertake 24 credit points to successfully complete the Graduate Certificate in Practice Nursing.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases under the Additional Information Section.

Subject Code	Subject Name	Session	Credit
GHMB938	Practice Nursing	Annual	6
GHMB937	Context of General Practice	Autumn	6
GHMB950	Reflective Practice 1	Autumn	6
GHMB902	Effective Management in Health	Spring	6

Further Information

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Graduate Certificate in Social Marketing for Health

Testamur Title of Degree:	Graduate Certificate in Social Marketing for Health
Abbreviation:	GCertSocMarkHlth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Flexible, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1172
CRICOS Code:	N/A

Overview

This course provides all the skills needed by students wanting to pursue a career in social marketing in a health related agency, or to pursue social marketing interventions as a practical way to approach a health problem. The core subjects provide grounding in the key skills needed in the process of planning, implementing and evaluating social marketing programs in public health; understanding health behaviour change theories in order to design a theoretically sound program to effect behaviour change; understanding the impact of mass media on health and social behaviour; and identifying issues or problems in public health and devising a strategy or resource to address them.

The course fosters excellence in teaching and learning by undertaking an innovative approach to student scholarship, with academics, other government, non-government and not-for-profit organisations and student participation contributing to the creation of a student-friendly course that has been designed to be responsive to the individual student's need, as well as the needs of the relevant organisations who demonstrate a growing interest in the use of social marketing to approach public health problems, and to encourage collaboration and active participation in the learning experiences.

This course is suitable for students preparing to undertake higher degree research studies as well as those wishing to develop fundamental research skills for professional practice.

Entry Requirements / Assumed Knowledge

A Bachelor degree of at least three years duration from a recognised tertiary institution, or equivalent (including work experience deemed equivalent).

Course Requirements

The Graduate Certificate in Social Marketing for Health requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
CHIP911	Social Marketing for Health	Autumn	6
GHMD930	Mass Media and Population Health	Autumn	6
CHIP912	Advanced Studies in Behaviour Change	Spring	6
CHIP913	Social Marketing Practice*	Spring	6

* Students in CHIP913 select either a Research Proposal stream OR an off-campus clinical placement.

Further Information

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Doctor of Psychology (Clinical)

Testamur Title of Degree:	Doctor of Psychology (Clinical)
Abbreviation:	DPsyc (Clin)
Home Faculty:	Health and Behavioural Sciences
Duration	3.5 years full-time or part-time equivalent
Total Credit Points:	168
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	208
CRICOS Code:	027469G

Overview

The Doctor of Psychology (Clinical) aims to provide students with a comprehensive understanding of the principles governing psychological assessment and therapy and the clinical skills required to assess and treat a wide variety of psychological disorders in children, adolescents and adults. This course equips students with advanced skills and knowledge relevant to the practice of clinical psychology. The course also includes advanced training in the design, execution, and writing up of a research project that focuses on an issue that is relevant to clinical psychology theory or practice. Teaching methods include mandatory face to face classes, an occasional week-end workshop, and supervised clinical practicum at the University Clinic and at external placements.

The program equips postgraduates with clinical and research knowledge, and skills superior to those acquired at the professional Masters level. The research component of the program is principally focused on applied clinical psychology research leading to a doctoral level research thesis.

Entry Requirements / Assumed Knowledge

Places in this course are limited and will be based on academic merit and personal suitability.

Candidates must have a superior honours degree in Psychology of at least four years duration of Class II, Division 1 standard or higher. Direct entry is very competitive and successful applicants will typically also be recipients of a higher degree research scholarship. Selection for entry is based on academic record, a research proposal, two referee's reports, relevant practical experience and a personal statement. Short-listed candidates are also subject to a selection interview. Candidates in the MPsyc (Clin) may apply to transfer to this course at the completion of year 1. For entry details consult www.uow.edu.au/health/psyc.

International students must demonstrate that they have achieved an IELTS score of 7.0 overall, with at least 7.0 in all bands of reading and writing, speaking and listening. In addition, international applicants must have a degree in psychology that is equivalent to an Australian 4-year sequence of psychology. International applicants must have their qualifications assessed by the Australian Psychological Society (APS) for equivalence and provide this evidence in their application (see: www.psychology.org.au/membership/qualifications/).

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases in the Additional Information section.

Course Requirements

In addition to coursework and practicum requirements, candidates will be required to successfully complete a supervised research program on a topic that is consistent with key research interests of the School of Psychology and the Illawarra Institute of Mental Health.

Course Program

Subject Code	Subject Name	Session	Credit Points
GHMC951	Child and Adult Assessment and Psychopathology	Autumn	8
GHMC952	Principles of Psychotherapy	Autumn	8

GHMC953	Neuropsychology and Neuropsychiatric Disorders	Spring	8
GHMC954	Cognitive Behavioural Therapies	Spring	8
GHMC955	Health and Wellbeing	Autumn	8
GHMC956	Special Groups and Methods	Spring	8
GHMC920	Psychotherapy of Personality Disorders	Autumn	4
GHMC921	Clinical Supervision and Practice	Spring	4
THES916	Research Thesis	Autumn/Spring	16
THES924	Research Thesis	Autumn/Spring	24

Professional Recognition

This program is accredited by the NSW Psychologists Registration Board for registration as a psychologist and by the Australian Psychology Accreditation Council (APAC) at the 5th, 6th and 7th year level, and by the Australian Psychological Society's College of Clinical Psychologists for full membership.

Further Information

For further information visit our website: www.uow.edu.au/health/psyc/pgcourses.

Master of Psychology (Clinical)

Testamur Title of Degree:	Master of Psychology (Clinical)
Abbreviation:	MPsyc(Clin)
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On-campus
Starting Session:	Autumn
Location:	Wollongong
UOW Course Code:	599
CRICOS Code:	027467J

Overview

The Master of Psychology (Clinical) is a fully accredited professional 5th and 6th year of study for the purpose of full registration as a psychologist. Completion of the course also meets the training requirements for associate membership of the College of Clinical Psychologists of the Australian Psychological Society.

This program provides a comprehensive understanding of the principles governing psychological assessment and therapy. It equips students with the clinical knowledge and skills required to assess and treat a wide variety of psychological disorders in children, adolescents and adults. Teaching methods include mandatory face to face classes, an occasional week-end workshop and supervised clinical practicum at the University Clinic and at external placements. The program involves four sessions of full-time study or their part-time equivalent.

Entry Requirements / Assumed Knowledge

Candidates must have a 4 year Honours degree in Psychology of at least Class II Division 1, or equivalent, from a recognised university. Applicants with a Postgraduate Diploma in Psychology are eligible to apply but students are encouraged to pursue an honours degree option if that is available to them.

Selection for entry is based on academic record, two referee's reports, relevant practical experience and a personal statement. Short-listed candidates are also subject to a selection interview.

Places in this course are limited. Entry is competitive and is based on academic merit and personal suitability.

International students must demonstrate that they have achieved an overall IELTS score of 7.0, with at least 7.0 in all bands of reading and writing, speaking and listening. In addition, international applicants must have a degree in psychology that is equivalent to an Australian 4-year sequence of psychology. International applicants must have their qualifications assessed by the Australian Psychological Society (APS) for equivalence and provide this evidence in their application (see: www.psychology.org.au/membership/qualifications).

Students should also consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases under the Additional Information Section.

Course Program

Subject Code	Subject Name	Session	Credit Points
GHMC951	Child and Adult Assessment and Psychopathology	Autumn	8
GHMC952	Principles of Psychotherapy	Autumn	8
GHMC955	Health and Wellbeing	Autumn	8
PSYP901	Research Project A Part 1	Autumn	8
PSYP903	Research Project B Part 1	Autumn	16
GHMC953	Neuropsychology & Neuropsychiatric Disorders	Spring	8

GHMC954	Cognitive Behavioural Therapies	Spring	8
GHMC956	Special Groups and Methods	Spring	8
PSYP902	Research Project A Part 2	Spring	8
PSYP904	Research Project B Part 2	Spring	16

Professional Recognition

This program is accredited by the NSW Registration Board for registration as a psychologist, by the Australian Psychology Accreditation Council (APAC) at 5th and 6th year level, and by the APS College of Clinical Psychologists for associate membership.

Student Income Support

In 2007, the Department of Education, Employment and Workplace Relations (DEEWR) announced that it has made provisions to extend student income support (Austudy and Youth Allowance) to students undertaking professionally oriented masters programs.

The Master of Psychology (Clinical) has been approved by DEEWR as an eligible Masters program for Student Income Support.

Students who have queries about their income support eligibility should contact Centrelink on 13 2490 for further information.

Other Information

High performing students may apply to transfer from the Master of Psychology (Clinical) to the Doctor of Psychology (Clinical) or Doctor of Philosophy (Clinical Psychology) after completion of one year of study. For details concerning eligibility criteria and approval process, contact the Director of Clinical Training.

Further Information

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Master of Science (Psychology)

Testamur Title of Degree:	Master of Science (Psychology)
Abbreviation:	MSc(Psyc)
Home Faculty	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574_7
CRICOS Code:	048497G

Overview

This program is available to applicants with a major study in Psychology. Because the APS reserves the name 'Masters' for 5th and 6th year courses, this course is not accredited by the Australian Psychological Society. It is thus not suitable for Australian students who intend to proceed further with APS accredited professional training. The program structure allows international students to tailor their studies to suit the requirements of the profession in their own countries.

Entry Requirements / Assumed Knowledge

A Bachelors degree of at least three years duration with a major in Psychology from a recognised tertiary institution (or equivalent) is required for entry. Entry to the course is competitive and is based on academic qualifications. For the purposes of entry we use the average of the marks from all subjects in the student's accredited psychology major.

International students are required to have achieved an overall IELTS score of 6.5, with at least 6.0 in all bands reading, writing, speaking and listening.

Course Requirements

The Master of Science (Psychology) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMC979	Major Research Project	Annual	18
GHMC985	Principles and Practices of Psychological Assessment	Annual	6
GHMC988	Contemporary Issues for Professional and Research Psychologists	Autumn	6

GHMC989	Advanced Abnormal Psychology	Spring	6
Plus two electives chosen from the following:			
GHMB932	Principles and Practices of Psychosocial Rehabilitation	Autumn	6
GHMB934	Assessment and Diagnosis in Mental Health	Autumn	6
GHMC978	Child and Adolescent Psychology	Autumn	6
GHMD983	Statistics in Health Research	Autumn	6
GHMB935	Case Management in Mental Health	Spring	6
GHMC984	Social Psychology and Health	Spring	6

Further Information

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Postgraduate Diploma in Psychology

Testamur Title of Degree:	Postgraduate Diploma in Psychology
Abbreviation:	PGradDipPsych
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	674
CRICOS Code:	026168F

Overview

The Postgraduate Diploma in Psychology is a fourth year of study, accredited by the Australian Psychological Society, for graduates with a major in Psychology. It is an alternative to the Honours degree.

It is a partial qualification for registration as a Psychologist with the Psychologists Registration Board of New South Wales – a post diploma period of supervision also being required.

The Postgraduate Diploma is not intended as a route to PhD studies but it can serve as a 4th year preparatory to further postgraduate coursework degrees (such as the Clinical Masters degree) at Wollongong and similar postgraduate courses in other universities. However, applicants should check with individual university departments on this matter before committing themselves to the course of study.

Entry Requirements / Assumed Knowledge

Eligibility for entry to the Postgraduate Diploma in Psychology program depends on the successful completion of a Bachelor degree from the University of Wollongong with a major in Psychology, or an equivalent qualification from another tertiary institution approved by the Council of the University of Wollongong and accredited by the Australian Psychological Society.

Entry to the Postgraduate Diploma is competitive and is based on academic qualifications. For the purposes of entry to the program we use the best 48 credit points from successfully completed 200- and 300- level Psychology subjects excluding PSYC216 Psychology of Physical Activity. For non-Wollongong graduates, we use the average of the marks from all subjects in the student's accredited psychology major.

International students are required to have achieved an overall IELTS score of 6.5, with at least 6.0 in all bands in reading, writing, speaking and listening.

Course Requirements

The Postgraduate Diploma in Psychology requires the successful completion of 48 credit points of subjects in accordance with the table below.

The diploma requires two sessions of full-time study or four sessions of part-time study. Candidature beyond four sessions of part-time study will not be permitted.

Subject Code	Subject Name	Session	Credit Points
GHMC979	Major Research Project	Annual	18
GHMC985	Principles and Practices of Psychological Assessment	Annual	6
GHMC978	Child and Adolescent Psychology	Autumn	6
GHMC988	Contemporary Issues for Professional and Research Psychologists	Autumn	6
GHMC984	Social Psychology and Health	Spring	6
GHMC989	Advanced Abnormal Psychology	Spring	6

Professional Recognition

This degree is structured to meet the requirements of external bodies such as the APS and the NSW Registration Board. For information about these professional bodies, their regulations, and about post university practice as a Psychologist, please contact these bodies directly.

Further Information

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Postgraduate Certificate in Professional Psychological Practice

Testamur Title of Degree:	Postgraduate Certificate in Professional Psychological Practice
Abbreviation:	PCertProPsycPrac
Home Faculty:	Health and Behavioural Sciences
Duration:	
Total Credit Points:	
Delivery Mode:	
Starting Session(s):	No intake for 2010
Location:	Wollongong
UOW Course Code:	1145
CRICOS Code:	N/A

The Postgraduate Certificate in Professional Psychological Practice has been suspended for 2010 and there is no intake of new students into this course. Current students should refer to the Course Handbook for the year in which they commenced their degree for details on the course requirements.

SUBJECT DESCRIPTIONS

CHBC918 Critical Appraisal

Autumn Wollongong Flexible
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: Relevant Undergraduate Degree
Co-requisites: None
Subject Description: This subject is developed to teach students the skill of critical appraisal (assessment of methodological quality). It focuses on a variety of research methods including randomised controlled trials, cohort studies, case-control studies, cross sectional surveys and case reports. It teaches critical appraisal skills for appraising qualitative research that reports on documentary accounts of events, passive observation, participant observation, in-depth interviews and focus groups. It explores how to appraise the use of statistics and determine the validity of diagnostic or screening tests. It also explains how to evaluate systematic reviews and meta-analysis of published research.

CHBC919 Evaluative Research Methodology

Spring Wollongong Flexible
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: Relevant Undergraduate Degree
Co-requisites: None
Subject Description: This subject provides an introduction to the origin and purpose of evaluative research, including the importance of evaluative research in influencing policy development and decision making. It then provides an overview of the range of qualitative and quantitative data collection methods which can be used for evaluative research, and how to determine the most appropriate methods for each program. The subject includes all aspects of evaluative research, from formative to summative, and discusses the different approaches that have historically been taken in evaluative research. The subject also provides practical experience in data collection, analysis and reporting for the purposes of program evaluation.

CHIP911 Social Marketing for Health

Autumn Wollongong Flexible
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject defines and examines the principles of social marketing and its context within health. It investigates social marketing strategies and examines specific case studies in public health. Students study the ethics of social marketing. This subject presents an overview of the principles and models/theories of behaviour change. It examines the role of planning and research in social marketing strategies and presents ways of implementing them. It examines methods to assess the summative evaluation of social marketing programs and evaluates program's successes and failures.

CHIP912 Advanced Studies in Behaviour Change

Spring Wollongong Distance
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject identifies and examines appropriate theories in the planning of health education and promotion programmes. It distinguishes between theories at the individual level and those at the group or community levels. This subject demonstrates how to identify and choose intervention methods from theory and the literature to effect behaviour change. It presents ideas on how to translate these methods into strategies to deliver programmes that create behaviour change at the different levels. It identifies how to measure behaviour before and after intervention and how to evaluate programmes designed to effect behaviour change

CHIP913 Social Marketing Practice

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: CHIP911, GHMD930
Co-requisites: CHIP912
Subject Description: This subject provides students with practical experience to research in a health related workplace that engages in social marketing strategies for health promotion. Students identify and critically evaluate one of the social marketing programmes adopted by that agency. Students collect all the relevant data and policy documents to examine the process of planning, implementing and evaluating that programme. Students are expected to critically analyse the programme in order to identify the successes and failures of the strategies used and present alternatives or additional material to be used within that programme.

CHIP915 Essential Skills for Health Researchers

Autumn Wollongong Flexible
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on specific research skills that are essential for students to be competent and successful in their HDR, and ultimately independent researchers. The specific skills that are addressed include: 1. effective strategies for delineation of an important researchable question; 2. identifying the strengths and limitations of various experimental, quasi-experimental and qualitative designs; 3.formulating questions, conducting, and analysing semi-structured interviews; 4. defining the study sample and determining the required sample size for survey research; 5. conducting and analysing survey research; 6. planning and writing up a research proposal 7. identifying and addressing ethical issues, and preparation of an ethics application; 8. interpreting study findings within the context of the existing knowledge base.

DIET950 Dietetics 1

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: GHMA931 & GHMA932 &

GHMA930 OR SHS 951 & SHS 952 & SHS 953 OR BMS 310 & BMS 311 & BMS 312 OR SHS 351 & SHS 352 & SHS 353
Co-requisites: None
Exclusions: BND434 or DIET450 or GHMA934
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.

DIET951 Dietetics 2

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: GHMA934 or DIET950 or BND 434 or DIET450
Co-requisites: DIET952
Exclusions: DIET451
Subject Description: Building on the clinical nutrition skills and knowledge developed in Dietetics 1,this subject examines more specialist clinical areas of dietetic practice (including gastroenterology, oncology, HIV/AIDS, renal disease, intensive care, coeliac disease, liver disease, dysphagia, total parenteral and enteral nutrition, pulmonary disease and paediatrics). In addition, the topics of community dietetic practice, and dietetics service management issues in the public and private sectors are examined.

DIET952 Communication in Healthcare Practice

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: GHMA934 or BND 434 or DIET 950 or DIET450
Exclusions: BND 433, GHMA929, DIET452,
Subject Description: The subject will introduce you 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 you should prepare for each activity. In order to promote an understanding of how people learn in small groups, you are asked to keep a reflective journal and to critique the process at the completion of the subject.

DIET954 Practical Studies in Nutrition and Dietetics

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2010/ Autumn2011 Wollongong On Campus
Credit Points: 24
Pre-requisites: GHMA933 &GHMA934 &GHMA935 OR GHMA929 & GHMA934 & GHMA935 OR DIET950 & DIET952 & GHMA956 OR DIET950 & DIET952 & GHMA929
Co-requisites: None
Exclusions: BND 437 or DIET454
Subject Description: This subject comprises a practicum of at least 18 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.

DIET955 Research Project in Nutrition and Dietetics

Spring Wollongong On Campus
Credit Points: 16
Pre-requisites: GHMA932 or SHS 952
Co-requisites: None
Exclusions: BND 445 or DIET455
Subject Description: This research project is designed to give the Masters students an intensive period of study in the design and conduct of scientific research. The project (which may include clinical practice, public health, food service or other aspects of nutrition and dietetics) will be carried out under the close guidance of a supervisor - usually an academic in the School of Health Sciences - however field supervisors in the health system may also assist. Students will normally begin preparation for their project while undertaking SHS 952 and may need to begin preparation before the start of session to seek ethics approval

DIET956 Food Service and Dietetics Management

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: GHMA930 or BMS310 or SHS 953 or SHS 353 or GHMA931 or BMS311 or SHS 951 or SHS 351 or GHMA932 or BMS312 or SHS 952 or SHS 352
Co-requisites: None
Exclusions: BND435 or DIET456 or GHMA935
Subject Description: The subject is an introduction to the management of 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.

DIET957 Major Project

Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: BMS 312 OR SHS 352 (Greater than 65%) or GHMA 932 OR SHS 952
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

DIET958 Advanced Dietetic Practice

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 offers students the opportunity to complete a specialised project related to an area of their dietetic practice (eg a specialist clinical areas such as pediatrics, renal or sports nutrition; or community or foodservice practice). Students will undertake either an externally provided short course in a specialty area of practice with a minimum of 15 hours face-to-face teaching (approved by the course coordinator) - for example courses provided by Special Interest Groups of DAA - or undertake a guided program of specialist reading. Building on the knowledge gained and by adopting a critical and reflective approach to their work, students will then analyse a problem and develop a plan to improve or advance an aspect of their current professional practice. The final report will be presented in the format of an article suitable for publication or a business plan or proposal for a new service or clinical practice guideline for use in the health care system.

EXSC920 Clinical Exercise Physiology

Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: BMS 203 and BMS 342 and BMS 346 and EXSC320 OR SHS 220 and SHS 321 and SHS 320 and EXSC320
Co-requisites: None
Subject Description: This subject will provide students with the conceptual knowledge, professional competencies and skills to independently and effectively manage exercise rehabilitation clientele. Students will develop a strong understanding of musculoskeletal injury; cardiorespiratory disease; neurological and neuromuscular impairment; and other chronic and complex conditions. Furthermore, students will be expected to integrate pathology-specific knowledge to develop appropriate exercise interventions within a clinically relevant time-frame. The development of competencies and knowledge in dealing with multi-pathology cases is essential for the practicing Exercise Physiologist. Thus, this subject will enable students to develop a strong ethical and professional standard to ensure best practice in a clinical setting.

EXSC921 Clinical Practicum

Spring Wollongong On Campus
Credit Points: 16
Pre-requisites: EXSC320 and EXSC920 plus 140 hours of 'healthy placement'.
Co-requisites: None
Subject Description: This subject provides students with a structured clinical placement program designed to meet the requirements for Exercise Physiology accreditation with the Australian Association for Exercise and Sports Science (AAESS). Clinical placement aims to expose students to the reality of professional practice, including the application of knowledge, skills and competencies, as well as developing an understanding of confidentiality, emergency protocols, health policies, ethical and legal boundaries. Students will be assessed on their professional practice by both their placement supervisor and subject coordinator, and will undertake assessment within the subject to further develop their professional skills in written communication, critical research and evaluation and programming procedures. Students will be allocated to their placement based on suitability criteria. Compliance with the required placement documentation and processes is necessary to undertake placement and to satisfactorily pass the subject.

GHMA929 Exercise Psychology and Dietary Counselling

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: GHMA934 or BND434
Exclusions: GHMA933 OR BND433 OR PSYC216
Subject Description: The subject will combine an understanding of the central features of sports psychology with basic skills in dietary counselling and small group education in the context of diet and exercise. Students will study personality and situational factors influencing participation in sport, and cognitive and behavioural influences on the promotion of healthy lifestyles. They will counsel individuals in dietary change and develop skills in medical documentation and small group education.

GHMB901 Infection Control Nursing

Autumn Wollongong Flexible
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to develop or enhance the nurse' knowledge of fundamental principles of infection prevention and control and their practical application. This will be achieved through the study of theory and history of infection control nursing, health care associated and community infections, development of policies and procedures, staff health and vaccine preventable disease, pharmacology, antibiotic use and resistance, antiseptics and disinfectants, cleaning, disinfection and sterilisation, health promotion and education, basic epidemiological principles, public health and outbreak management, environmental issues, related legislation and clinical governance. Observational visits to relevant facilities will be included as appropriate.

GHMB902 Effective Management in Health

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None

Subject Description: This subject will prepare students for the diverse and complex health care environments, in which they will conduct their professional practice. Each topic is designed to increase the learners understanding and knowledge of oneself through; self awareness, reflection and self evaluation. In order to practise effectively, nurses need to be self aware, open-minded and reflective, and to have developed an understanding of esoteric concepts such as knowing oneself and being responsible for others. The course will address each of these concepts from both theoretical and pragmatic perspectives. Nurses also need to understand the nature and culture of the health care organizations, in which they will generally practice. Diverse health care delivery systems will therefore be analysed and explored. Management requires an understanding of processes, systems and relationships. The Australian health care system will be contextualized from a global perspective. Therefore the Australian health care system is compared and contrasted with other health care systems. Contemporary concepts of management, in health care organizations, are analysed, explored and discussed in terms of their unique cultures and climates.

GHMB903 Scientific and Qualitative Developments in Acute Care Nursing

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Investigates technological, biological, psychological and sociological developments that have created an impact in acute care nursing in recent times. Insights into specific technology and pharmacology used for diagnostic or therapeutic purposes by nurses and the Health team will be targeted, including their characteristics, uses and efficacies within an holistic nursing care framework.

GHMB905 Special Topic in Nursing

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This is a combined program of research and coursework leading to the completion of a minor project. Students will be expected to work closely with a supervisor on a project where a common interest exists.

GHMB906 Acute Care Nursing: Reflections on Practice

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Focuses on relevant theories, themes and issues that have a practical bearing upon acute care nursing, and on models of acute care nursing that address evidence based practice. Practical aspects include pathophysiology of the Cardiovascular, Respiratory, Nervous and Alimentary systems and Acid Base balance; and Introduction to Electrocardiograph Interpretation.

GHMB911 Midwifery Practice 1

Autumn Wollongong On Campus
Credit Points: 4
Pre-requisites: GHMB916 (Part-time students)
Co-requisites: GHMB914 (Full-time students), GHMB916 (Full-time students), GHMB950 (Full-time students)
Subject Description: This subject is the first of three subjects that allows the student to acquire the necessary clinical experiences as designated by the NMB NSW. Midwifery Practice 1 is designed to introduce the student to the provision of care of the woman and her family throughout pregnancy, birth and the postnatal period. Special emphasis is on the well woman, pregnancy, fetus, birth, postnatal period and the neonate. Potential complications during childbearing and management of high-risk women are examined. There will be an emphasis on evidence-based practice, critical appraisal and professional issues for midwives. The practical application of different models of care is also explored. Clinical practice will consist of the experiences suggested by the NMB NSW.

GHMB912 Midwifery Practice 2

Spring Wollongong On Campus
Credit Points: 4
Pre-requisites: GHMB911, GHMB914 (full-time students), GHMB916, GHMB950
Co-requisites: GHMB915, GHMB917, GHMB923 (full-time students)
Subject Description: This subject is the second of three subjects that allows the student to acquire the necessary clinical experiences as designated by the NMB NSW. The student progresses along a continuum, developing and consolidating skills and knowledge in the provision of care of the woman and her family learnt in the clinical context.

GHMB913 Midwifery Practice 3

Summer 2010/2011 Wollongong On Campus
Credit Points: 4
Pre-requisites: GHMB911, GHMB912, GHMB914, GHMB915, GHMB916, GHMB917, GHMB923, GHMB950
Co-requisites: None
Subject Description: This subject is the third of three subjects that allows the student to acquire the necessary clinical experiences as designated by the Nurses and Midwives Board New South Wales. Midwifery Practice 3 is designed for the student to continue, and finally complete, the provision of care of the woman and her family and to build on skills acquired whilst undertaking Midwifery Practice 1 & 2.

GHMB914 Art and Science of Midwifery 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMB916 (Part-time students)
Co-requisites: GHMB911, GHMB916, GHMB950
Subject Description: This subject is designed to be taken in conjunction with the clinical subject, GHMB911 Midwifery Practice 1. The subject provides the theoretical framework to enable student midwives to function safely while providing 'woman centred care' to each individual woman, her baby and family throughout pregnancy, birth and the postnatal period. Midwifery management of the well 'woman' throughout the childbearing continuum

and healthy baby will be emphasised. An ability to review literature is an essential component of this subject. Students are expected to demonstrate higher order thinking in the application of knowledge to practice. Critical analysis will be based on evidence and include active reflection on clinical experiences. Students are expected to facilitate their own learning by utilising the Library Database Workshops and the IT services available at the University. Students are expected to achieve a high level of learning that is evidenced by the quality of analysis, synthesis and evaluation of evidence based research and its application to midwifery practice.

GHMB915 Art and Science of Midwifery 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMB911, GHMB914, GHMB916, GHMB950
Co-requisites: GHMB912, GHMB917
Subject Description: This subject is designed to be taken in conjunction with the clinical subject, GHMB912 Midwifery Practice 2. GHMB915 Art and Science of Midwifery 2 has been designed for the student to build on learning and understanding of the theoretical frameworks underpinning midwifery practice. This subject develops the midwives understanding of midwifery care relating to complexities arising in pregnancy, labour, postnatal and neonatal periods. An ability to review literature remains an integral component of this subject. Students are expected to continue to facilitate their own learning by utilising the Library Database Workshops and the IT services available at the University. They are expected to demonstrate a high level of learning that is evidenced by the quality of analysis, synthesis and evaluation of evidence based research and its application to midwifery practice.

GHMB916 Human Reproduction

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide students with comprehensive knowledge of anatomy and physiology related to conception, pregnancy and birth. The human body cell structure, genetic and teratogenic influences on conception, embryonic, fetal and neonatal development are addressed. Maternal adaptation/responses to pregnancy and labour are addressed. Fetal adaptation to extrauterine life and the physiology of the postnatal period are included to enhance midwifery management in the postnatal period. Technology used in assessment, diagnosis and intervention at all stages of the reproductive process will be explained in terms of scientific principles. The subject acknowledges the importance of research; hence emphasis is placed on current research applicable to human reproduction. Students' tutorial presentations also provide extra learning opportunities for the student to appreciate some of the broader issues in human reproduction. The knowledge gained from this subject provides midwives with an important component of a scientific knowledge base from which to plan and provide midwifery care. This is facilitated and enhanced by the inclusion of clinical application of theory to practice wherever possible.

GHMB917 Midwifery in the Social Context

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide the student with an in depth knowledge of theory and research, on psychological, sociological and cultural influences throughout the period of pregnancy, childbirth, and parenting. Evidenced based research, and knowledge of national guidelines and community resources are utilised to equip the student to assist the contemporary family throughout this transition to parenthood. Students are challenged to explore their own values and belief systems. They are encouraged to develop an appreciation for cultural and social diversity and differing perspectives they encounter in the clinical setting. This subject enables the students to be advocates for woman centred choices and for fostering development of the midwifery professional. The implication of the content of this subject is to reiterate the primary health care role of the midwife and the importance of cultural safety.

GHMB918 Introduction to Sexual Health Nursing

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to prepare the nurse for a role in the Sexual Health environment. The subject aims to develop the nurse's knowledge and understanding of Population Health, Sexually Transmissible Infections, Blood Borne Viruses, Sexual History Taking and Legal and Professional issues from a nursing perspective. The subject promotes a problem-solving approach to Sexual Health nursing practice and enables students to facilitate practice development.

GHMB919 Developing Sexual Health Nursing Practice

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: GHMB918
Subject Description: This subject will enable students to develop practical skills and knowledge required in the sexual health environment, utilising theory from Introduction to Sexual Health Nursing. The subject involves clinical placements within sexual health facilities where students will be able to observe and be supervised by clinical experts in the field. This subject is intended to prepare students for a role within the specialty.

GHMB923 Legal and Professional Issues

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to assist students to deal with legal, ethical and professional issues in relation to their area of clinical practice. Relevant Australian legislation, appropriate case law, principles of conflict management, and examples of ethical and moral reasoning will be used to provide a framework for clinical decision-making. Advances in scientific knowledge

and technology and demands on health care resources mean that health care professionals such as midwives and nurses participate in decisions of legal, moral and professional significance. In order to be accountable to their clients and their profession, health professionals need the opportunity to study legal, moral and professional issues so that they are capable of engaging in clinical decision-making processes which take into account the inherent legal, ethical and professional concerns. This subject is designed to assist students to think critically and creatively. It draws on different ways of thinking and learning so that students can form connections between insights, inspiration, logic and questions. It is built on the assumption that effective learning occurs when student are interested in resolving an issue in their own mind. The subject design enables students to develop their inquiry skills, develop their own criteria for criticism of the hypotheses and answers they develop, synthesize complex information and conduct intellectual simulations of their answers. In this way the subject provides a real and relevant connection with clinical practice.

GHMB925 Effective Leadership in Health

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on leadership that creates the climate in which people work together to achieve successful outcomes from the challenges they confront. Each topic is designed to increase the learners' understanding and knowledge of the characteristics of effective leadership and the various organisational environments in which leaders operate. Learners will be exposed to various models of leadership and encouraged to explore their own antecedent leadership characteristics. Leadership requires an understanding of organisational culture, interpersonal relationships, processes and systems. The Health Services environment presents unique leadership challenges which will be explored and analysed. Specifically, the subject examines five practices of leadership identified by Kouses and Posner, namely: model the way, inspire a shared vision; challenge the process; enable others to act; and encourage the heart.

GHMB926 Coaching Skills for Healthcare Leaders

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on concepts and skills that can be used to achieve solutions and results in the workplace and is particularly relevant for people interested in professional, practice and organisational development. It is divided into four modules: Coaching skills for healthcare leaders provides an orientation to facilitating solution-focused, person-centred, goal-oriented processes; Solution-focused, person-centred, goal-oriented processes enables participants to become even more competent in facilitating learning, change, performance and human flourishing; Motivational Change provides participants with a conceptual framework and practical strategies that can be used to facilitate change as well as strategies for assessing and enhancing motivation, and working with people's needs and values.

GHMB928 Introduction to Ophthalmic Nursing

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to prepare the nurse for a role in Ophthalmic environments. The subject aims to develop the nurse's in-depth knowledge and understanding of Anatomy and Physiology, Pathophysiology, Pharmacology, Disease and Disorders of the eye, Theory of Ophthalmic Nursing Practice, Health Promotion and relevant Legal and Professional Issues. The subject promotes a problem-solving approach to Ophthalmic nursing practice and enables students to facilitate practice development.

GHMB929 Developing Ophthalmic Nursing Practice

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: GHMB928
Subject Description: This subject will require students to gain mastery level of essential practical skills required to function as a specialist ophthalmic nurse, utilising theoretical knowledge gained in Introduction to Ophthalmic Nursing. The subject involves clinical placements within ophthalmic centres where students will be supervised and assessed by clinical experts.

GHMB932 Principles and Practices of Psychosocial Rehabilitation

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with a contemporary framework for understanding the rehabilitation and recovery process for people with a mental illness. It provides students with a set of knowledge and skills that can be applied in a range of contexts including case management and psychosocial rehabilitation services in both government and non-government sectors located in metropolitan, rural and remote areas. The subject examines theoretical and empirical issues associated with change enhancement, needs identification, collaborative goal setting, and collaborative task setting and monitoring outcomes. The skills component focuses on an understanding of the relationship between the clinician and the consumer (working alliance) and the process of recovery from mental illness undertaken by an individual consumer.

GHMB933 Comprehensive Systems of Mental Health Care

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an overview of basic theoretical models used to explain

psychiatric disorder and presents a historical overview of mental health services. It examines the impact of the National Mental Health Strategy on the development of an integrated, comprehensive mental health service. Students are provided with an understanding of each component of a community service network, including the role and function of crisis intervention services, residential services, hospital based services, and multidisciplinary mental health structures. The role of consumer and carer advocacy organisations is examined.

GHMB934 Assessment and Diagnosis in Mental Health

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the importance of various approaches and methods of assessment, including the assessment interview, the psychiatric history, symptom descriptions, functional assessment and family assessment. The major classification systems of DSM-IV and ICD-10 are examined in relation to their utility in identifying, describing and communicating about mental illness.

GHMB935 Case Management in Mental Health

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject introduces candidates to the theory and practice of case management. It presents an overview of interventions and treatment options for people presenting with acute psychiatric disorders as well as those requiring more intensive rehabilitation. Principles and strategies for crisis intervention, including pharmacological management and family and network interventions are examined in detail. The clinical approach adopted is based on cognitive behavioural principles.

GHMB936 Supervised Clinical Practice

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A range of clinical placement opportunities are available within Mental Health Services. However, before enrolling in this subject students must negotiate details of their proposed placement with the course coordinator and nominated clinical supervisor. Students must develop and submit an outline of the program including a description of the nature of the clinical work, specific competencies to be developed, and how the development of competencies will be monitored and evaluated by the clinical supervisor.

GHMB937 Context of General Practice

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will address the historical, political, economical and sociological context of general practice. This subject will also include the structure of the Australian health care system, general practice models - both national and international, government incentive schemes, determinants of workload, care coordination, collaborative work practices, professional boundaries, and patient information management.

GHMB938 Practice Nursing

Annual Wollongong Flexible
Spring2010/
Autumn2011 Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will address the theoretical principles and the application of these, to the clinical practice context of the practice nurse within general practice. This subject will examine evidence based practice in relation to nursing treatments and procedures, health promotion, and chronic disease self-management. This subject will also enable the student to undertake a critical analysis of their own clinical practice and develop strategies for professional development within their own practice. This critical analysis will be based upon best practice in relation to general practice nursing. Clinical competence will also be monitored in partnership with general practice and the School of Nursing, Midwifery and Indigenous Health, University of Wollongong.

GHMB939 Alcohol & Other Drug Studies

Autumn Wollongong On Campus
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: GHMB954
Subject Description: This subject will provide an understanding of the pharmacological, psychological and sociological basis of alcohol and other drug (AOD) use and dependence. It will focus on government, intersectoral and community approaches to inform, minimise and treat the harm caused by the use of alcohol and other drugs. Contemporary issues, perspectives and approaches, which impact on both national and global policies, will be explored.

GHMB940 Indigenous Family Studies

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an overview of the societal and familial structures underpinning Indigenous peoples in Australia. There is a focus on the links between family and health, the role of Indigenous women in particular, and other relevant cultural, historical and social factors.

GHMB941 Indigenous Health Patterns

Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is to examine the relationships between mainstream/western approaches to health care provisions and Indigenous Australia approaches to health care provision.

GHMB942 Special Topic

Annual	Wollongong	Distance
Autumn	Wollongong	Distance
Spring2010/ Autumn2011	Wollongong	Distance

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed for students to develop a proposal for a research study towards a Master Of Indigenous Health, and for non research students wishing to complete a minor project in a specific content area. The research students will be supervised by a lecturer who has expertise in research and chosen the field of study. The techniques of study will include library searches, an oral presentation of the proposal, and a written proposal. For non-research students the content will reflect the content area of the specified topic being studied under a supervisor. The techniques of study will include library, an oral presentation of the proposal, and a written minor project.

GHMB943 Health and Human Ecology

Autumn	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
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 of the relationship between the environment and issues of public and community health. 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.

GHMB944 Community Resource Planning

Spring	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
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.

GHMB948 Hand Management, Therapy and Rehabilitation

Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to prepare the nurse to manage patients who require hand management, therapy and rehabilitation. It is anticipated that the graduates of this course will demonstrate expertise and confidence to function and engage in the management of hand injuries/trauma conditions, wound care and associated long term rehabilitation and health promotion. This subject promotes a problem-solving approach to hand nursing practice and enables students to facilitate practice development.

GHMB949 Developing Hand Nursing Practice

Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: GHMB948
Subject Description: This subject will require students to gain mastery level of essential practical skills required to function as a specialist hand nurse, utilising theoretical knowledge gained in Hand Management, Therapy and Rehabilitation. The subject involves clinical placements within hand facilities where students will be supervised by clinical experts.

GHMB950 Reflective Practice 1

Autumn	Wollongong	Distance
Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible
Spring	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This Reflective Practice subject develops (or enhances existing) personal conceptual frameworks and skills of reflectivity applicable to practice, to enable participants to 'stand back' from situations, to see the 'whole of the moon' rather than just 'the crescent'. The subject promotes reflection upon theory and research which underpins practice, to enable participants to identify potential areas for practice development and meaningful research.

GHMB951 Reflective Practice 2

Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible

Credit Points: 6
Pre-requisites: GHMB950
Co-requisites: None
Subject Description: This subject will build on the objectives for GHMB950 (its pre-requisite) in that it will enable students to further develop skills in writing literature reviews, as the rhetoric of literature searching and analysis. The particular focus of how these skills are utilised will be very much the domain of the student. He/she will be able to decide whether they wish to develop skills of: sustaining argument(s) through an extended piece of written work; writing for publication; or, developing an evidence base for planned innovation. There will also be an opportunity for students to consider skills related to framing research questions and writing research proposals from the basis of their reflections on practice.

GHMB953 Special Topic in Nursing

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: GHMB950
Co-requisites: None
Subject Description: This subject is designed for students to develop a proposal for a research study towards a Master Of Nursing - Research, and for non research students wishing to complete a minor project

in a specific content area. The research students will be supervised by a lecturer who has expertise in research and chosen the field of study. The techniques of study will include library searches, an oral presentation of the proposal, and a written proposal. For non-research students the content will reflect the content area of the specified topic being studied under a supervisor.

GHMB954 Studies in Alcohol and Other Drugs

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: GHMB939
Subject Description: This subject will provide an understanding of the pharmacological, psychological and sociological basis of drug use and drug dependence. It examines drug and alcohol use from a historical perspective and explores the impact that so called 'grand theories' of drug use has had on contemporary attitudes to substance use, on government policies and on treatment modalities

GHMB955 Dementia Care Across Settings

Autumn Wollongong Distance
Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The following will be the focus in this subject: workshop activities to develop new clinical skills and influence attitudes about working with people with dementia and their carers;development of advanced presentation skills through the poster assessment. The subject provides the opportunities to challenge negative attitudes and understanding about how situations, not individuals with dementia, are the cause of the distress expressed.

GHMB956 Policy and Practice in the Care of Older People

Autumn Wollongong Flexible
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The following will be the focus in this subject: sociological, political, and social policy theory and concepts to understand ageing; academic work with a specific focus on those returning to studying after a break. This focus will provide students with opportunities to develop relevant theoretical knowledge and academic skills compliments the other two core subjects on the Gerontology and Rehabilitation Studies course.

GHMB957 Rehabilitation: Concepts and Practice

Spring Wollongong Flexible
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will build incrementally on general and topic specific knowledge skills developed during subjects taken in Autumn Session. The specific focus will be: student led seminars to develop in-depth clinical knowledge and enhance presentation skills; computer and facilitation skills through web-based discussions with colleagues. This subject provides an opportunity to apply theoretical concepts of rehabilitation in partnership with users, carers, multi-disciplinary team colleagues, and the voluntary sector.

GHMB958 Advancements in Dementia Care

Spring Wollongong Flexible
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is a core component of the dementia care courses and will extend the knowledge and skills developed in the GHMB955 Dementia Across Care Setting in the program. This subject provides the opportunity to apply the theoretical concepts of dementia care in practice and focuses on the partnership with individuals, carers and health professional colleagues in the delivery of care for persons experiencing dementia. The topics include: promotion of healthy lifestyles; protection of rights and interests; culturally diverse communities; younger people with dementia and rural and remote issues.

GHMB959 Facilitating Innovation and Change: Tools for Practice Development

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject focuses on participatory teaching practices. Students will explore concepts of engagement and collaboration, clinical puzzling, future focused approaches to practice change, practice development, clinical evaluation and the evolution of cultures of learning in clinical contexts

GHMB960 Facilitation and Education Skills for Practice Development

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to essential skills for facilitating education and practice development and the development of cultures of learning in clinical practice settings. It offers students the opportunity to explore theoretical perspectives of learning, clinical teaching styles, characteristics of adult learners and the development of cultures of learning.

GHMB989 Mental Health Nursing: Clinical Principles and Practice

Annual Wollongong Flexible
Spring2010/
Autumn2011 Wollongong Flexible
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students will combine theoretical underpinnings of mental health with a supervised clinical practice that will provide the opportunity to develop and refine clinical skills and interventions for people seriously affected by mental illness. Requirements for

the clinical practice component will be based on best practice guidelines and students will utilise a reflective model to identify areas of professional development.

GHMB997 Major Project

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: This is a combined program of research and coursework leading to the completion of a major project. Students will be expected to work closely with a supervisor on a project where a common interest exists.

GHMB998 Minor Thesis

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: This is a major component of a combined coursework/thesis program in the Masters of Nursing undertaken by candidates enrolled in the School of Nursing, Midwifery and Indigenous Health. A thesis must be submitted and assessed according to the Course Rules for Masters' Candidates. Thesis work is only commenced with the approval from the coordinator of the subject and the Head of the School. Students will be required to present a seminar on their chosen thesis topic prior to completion of the thesis.

GHMC914 Thesis

Annual	Wollongong	On Campus

Credit Points: 48
Pre-requisites: None
Co-requisites: None
Subject Description: Thesis for the Doctor of Psychology (Clinical). This subject, in conjunction with Research Project A and Research Project C, comprises the research component of the DPsych degree.

GHMC920 Psychotherapy of Personality Disorders

Autumn	Wollongong	On Campus

Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on advanced training in the treatment of personality disorders and complex cases. Classification, aetiology, and treatment models and methods will be addressed through workshops and clinical presentations. Satisfactory completion of a 250-hour supervised practicum training with clients in personality disorders or equivalent area is required as part of this subject. The primary focus will be on conducting evidence-based practice for enhancing a client's interpersonal effectiveness, emotion regulation, and distress tolerance. Training will emphasise developing skills to deal with therapeutic stalemates, comorbid psychopathology, self-harm behaviours, acute crises, and building effective therapy teams.

GHMC921 Clinical Supervision and Practice

Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on knowledge and skills required of an advanced professional. The clinical supervision component will cover theories and models of clinical supervision, and the rationale, procedures, and best-practice guidelines regarding formulating supervision plans, conducting supervision, assessing supervisee performance and evaluating supervision programs. In addition to didactic teaching, skills training methods (e.g., role-play, videotapes) will be used. This subject will also include a 250-hour clinical practicum within an advanced professional or clinical supervision area.

GHMC931 Clinical Neuropsychology

Not on offer in 2010
Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to introduce students to neuroanatomy and theories of neuropsychological assessment and approaches to rehabilitation. The subject will deal with: basic brain anatomy; principles of neuropsychological assessment; administration and interpretation of neuropsychological tests; neuropsychological report writing; neuropsychological disorders.

GHMC943 Practicum 2A

Summer 2009/ Autumn 2010	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 4
Pre-requisites: GHMC938 Practicum 1A
Co-requisites: None
Subject Description: The practicum is composed of 300 hours of case-work from the Northfields Clinic and/or external agencies providing psychological services. The student might be required to attend group and individual supervision sessions as well as have assessment/therapy sessions taped for discussion and feedback. The placement may occur with agencies providing either child or adult services, however when considered together with GHMC942 and GHMC944, exposure to a wide range of clinical/ applied contexts (specified elsewhere) will be required.

GHMC944 Practicum 2B

Summer 2009/ Autumn 2010	Wollongong	On Campus
Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: The practicum is composed of 250 hours of case-work from Northfields clinic and/

or external agencies. The student might be required to attend group and individual supervision sessions as well as have assessment/therapy sessions taped for discussion and feedback. The placement may occur with agencies providing either child or adult services, however when considered together with GHMC938, and GHMC943, exposure to a wide range of clinical/applied contexts will be required.

GHMC946 Research Project A

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Research Project A aims to equip students with a wide variety of research skills required for professional psychology. The content will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review. Students completing the MPsych program will also complete Research Project B and a project report in the format of a journal article.

GHMC947 Research Project B

Not on offer in 2010
Credit Points: 16
Pre-requisites: None
Co-requisites: None
Subject Description: Research Project B in combination with Research Project A, aims to equip MPsych (Clinical) students with a wide variety of research skills required for professional psychology. The context will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review and a project report in the form of a journal article

GHMC951 Child and Adult Assessment and Psychopathology

Autumn	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This course focuses on equipping clinical psychology students with theoretical knowledge and practical skills relevant to the assessment and formulation of mental disorders in adults and children. This is achieved through a combination of lectures, workshop activities, independent study, and 50 hours of supervised clinical practice at Northfields Clinic. The clinical-theoretical part of the course will describe models of human cognitive processes such as memory and higher intellectual functioning and the ways in which these functions may become disturbed in people with mental disorders. The assessment and diagnosis components of the course will cover the main diagnostic classificatory systems. Psychometric assessment methods, that are relevant to understanding adults and children with psychiatric disorders characterised primarily by depression and anxiety, will also be covered.

GHMC952 Principles of Psychotherapy

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with a set of research-based interventions, strategies and skills for conducting psychological therapy for children and adults. The subject examines the microskills of interviewing, goal setting, problem solving, monitoring and reviewing, relationship enhancement, and selection of appropriate interventions depending on client need. Satisfactory completion of 100 hours of practical training with clients is required. Training methods include video feedback and direct observation of clinical skills. The subject provides the principles of empirically-based psychotherapy with children and adults in individual, family and group therapy formats.

GHMC953 Neuropsychology & Neuropsychiatric Disorders

Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: GHMC951 or GHMC952
Co-requisites: None
Subject Description: This subject will equip students with knowledge of the theoretical and practical issues that impinge on the assessment of children and adults who present with disorders, stemming from primary neurological pathology. This will be achieved through a combination of lectures, workshop activities, independent study, and 150 hours of supervised clinical practice at Northfields Clinic. The subject content related to clinical neuropsychological assessment will include: the main diagnostic and classificatory systems; principles of psychometric assessment; the selection, administration and interpretation of specific tests; and the development of clinical formulations that can be used to guide treatment. Topics relating to psychopathological theory will include basic neuroanatomy and neuropathology and theoretical and clinical models of psychotic and behavioural disorders in children and adults.

GHMC954 Cognitive Behavioural Therapies

Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject aims to provide students with knowledge of the principles, procedures, applications, and research associated with psychotherapy for children and adults for a wide range of psychological disorders. Students will also obtain practical skills training in the conduct of therapy. The focus will be on cognitive behavioural therapies. Apart from lectures, training methods will include demonstration

of therapy, role-play sessions, use of videotapes, and a minimum of 100 hours of clinical practicum within the Northfields Clinic or other equivalent agency.

GHMC955 Health and Wellbeing

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines health psychology, behavioural medicine, psychopharmacology and rehabilitation models of intervention. Stress and coping are examined within individuals, groups and populations. Current evidence based practice of psychopharmacology is also considered. Satisfactory completion of 300 hours of practical training with clients is required as part of this subject. Focus will be on applications where a clinical psychologist in practice may be active, including treating substance dependence, chronic pain, cancer, cardiovascular disease, HIV/AIDS, chronic and terminal illnesses, implementing behavioural interventions for physical activity and dietary change, positive psychology techniques and lifeskills coaching.

GHMC956 Special Groups and Methods

Spring Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: While many of the skills obtained in clinical training are ubiquitous, students need to consider the unique needs and considerations of special needs groups and take this into account in their psychological practice. This subject introduces the student to the application of psychological principles to special needs groups and in special situations. In particular, the subject will address needs as they relate to working with people with developmental disabilities, working in forensic environments and relevant sociocultural considerations. Additional ethical and professional issues that pertain to these groups and situations will be addressed. Successful completion of this subject will also include 300 practicum hours in a relevant clinical placement, supported by appropriate clinical supervision.

GHMC978 Child and Adolescent Psychology

Spring Wollongong On Campus
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
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.

GHMC979 Major Research Project

Annual Wollongong Flexible
Annual Wollongong On Campus
Credit Points: 18
Pre-requisites: None
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.

GHMC981 Research Project C

Not on offer in 2010
Credit Points: 16
Pre-requisites: GHMC946 Research Project A
Co-requisites: None
Subject Description: Research Project C in combination with Research Project A, aims to equip students with a wide variety of research skills required for professional psychology. The subject covers ethical issues in research, the importance of conceptual and theoretical foundations in research, how to critically evaluate research, establishing aims, sampling, design, methods of data collection, principles and procedures governing selection and implementation of data analyses. Students will receive assistance in data entry, screening, and analysis using SPSS. Students will learn the stylistic requirements of scientific writing for research publication. Research Project A, C and the Major Thesis comprise the research component of the Doctor of Psychology (Clinical) degree.

GHMC982 Research Project D

Not on offer in 2010
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on advancement of research skills particularly within the areas of data analyses and thesis writing. The candidate will be required to attend regular sessions with the research supervisor. In certain cases, attendance at specified research lectures, seminars and other workshops might be required. The project culminates in the submission of a research thesis.

GHMC983 Research Project E

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on research skills appropriate for practising professionals, including setting up systems for data collection and management in agencies, analyses of clinical data, and reporting of results. If data collection is involved, this will be a minor component. In certain cases, attendance at specified research seminars and workshops might be required. The project will culminate in a) a research proposal describing research aims, procedures for collection, management and analyses of routinely collected data, or b) analyses of archival data and preparation of a manuscript for submission to a scientific journal. Occasionally the report may also take the form of a comprehensive review of literature on a clinical topic

GHMC984 Social Psychology and Health

Spring Wollongong Flexible
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: See Postgraduate Diploma 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.

GHMC985 Principles and Practices of Psychological Assessment

Autumn Wollongong Flexible
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

GHMC988 Contemporary Issues for Professional and Research Psychologists

Autumn Wollongong Flexible
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject addresses areas of practice that will most likely be experienced by psychologists in their professional work, using a combination of on-line lectures and workshop involvement. Subject areas will include ethical and legal issues in psychological practice, case conceptualisation, assessment procedures and treatment options, report writing skills, issues of therapeutic alliance, and professional self-care. Interpersonal skills will be addressed within the context of these subject areas.

GHMC989 Advanced Abnormal Psychology

Spring Wollongong Flexible
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

GHMC990 Advanced Clinical Issues A

Not on offer in 2010
Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: This subject refers to an in-depth coverage of any specific topic of assessment or therapy determined by the Clinical Programs Director to be of relevance for the student's unique set of circumstances. The topic can relate to a specific disorder or a specific assessment or therapeutic intervention. Coverage will include a intensive review of current literature including current controversies, a critical evaluation of theoretical bases and practical applications. Teaching and assessment methods will depend on the topic chosen.

GHMC991 Advanced Practicum A

Summer 2009/
Autumn 2010 Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: The practicum is composed of at least 200 hours of supervised casework from the Northfields Clinic or other specified agencies that provide psychological services. Casework will include assessment and treatment of difficult psychological problems. The student will be required to attend group and individual supervision sessions.

GHMC992 Advanced Practicum B

Summer 2009/
Autumn 2010 Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: The practicum is composed of at least 200 hours of supervised casework from the Northfields Clinic or other specified agencies that provide psychological services. Casework will include

assessment and treatment of difficult psychological problems. The student will be required to attend group and individual supervision sessions.

PSYC966 Professional Practice Group Supervision A

Not on offer in 2010
Credit Points: 8
Pre-requisites: 4 year degree in Psychology
Co-requisites: None
Subject Description: This subject will assist students to fulfil NSW Psychologists Registration Board requirements for Supervision. It consists of meetings of up to 5 students and a clinical supervisor to discuss applications of psychological skills to practice. While this subject is independent from GHMC967 (Professional Practice Workshops A), students enrolled in both subjects will have an opportunity to use the group supervision to further develop skills learned in workshops.

PSYC967 Professional Practice Workshop A

Not on offer in 2010
Credit Points: 8
Pre-requisites: 4th year in Psychology
Co-requisites: None
Subject Description: This subject will assist students to fulfil NSW Psychologists Registration Board requirements for Approved Workshops and Seminars. It consists of 8 workshops on four board required certificate subjects: Introduction to Psychological Practice; Ethical, Legal and Professional Matters; Psychological Testing; and Interviewing, Counselling and Consulting. Workshops will be delivered by specialist professionals and/or academics with specific skills and knowledge in the identified areas, will be skills based and will be delivered in block workshop formats. While this subject is independent from PSYC966 (Professional Practice Group Supervision A), students enrolled in both subjects will have an opportunity to use the group supervision to further develop workshop skills.

PSYC968 Professional Practice Group Supervision B

Not on offer in 2010
Credit Points: 8
Pre-requisites: 4 year degree in Psychology
Co-requisites: None
Subject Description: This subject will assist students to fulfil NSW Psychologists Registration Board requirements for Supervision. It consists of weekly meetings of up to 5 students and a clinical supervisor to discuss applications of psychological skills to practice. While this subject is independent from GHMC969 (Professional Practice Workshops B), students enrolled in both subjects will have an opportunity to use the group supervision to further develop skills learned in workshops. This subject will build on the skills and experiences of Professional Practice Group Supervision A.

PSYC969 Professional Practice Workshop B

Not on offer in 2010
Credit Points: 8
Pre-requisites: 4 year degree in Psychology
Co-requisites: None
Subject Description: This subject will assist students to fulfil NSW Psychologists Registration Board requirements for Approved Workshops and Seminars. It consists of 8 workshops on four board required certificate subjects: Intervention Strategies; Record Keeping; Development and Maintenance of Psychological Skills; and Data Collection and Evaluation. Workshops will be delivered by specialist professionals and/or academics with specific skills and knowledge in the identified areas, will be skills based and will be delivered in block workshop formats. While this subject is independent from GHMC968 (Professional Practice Group Supervision B), students enrolled in both subjects will have an opportunity to use the group supervision to further develop workshop skills.

PSYP901 Research Project A Part 1

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Research Project A aims to equip students with a wide variety of research skills required for professional psychology. The content will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review. Students completing the MPsych program will also complete Research Project B and a project report in the format of a journal article.

PSYP902 Research Project A Part 2

Annual Wollongong On Campus
Spring Wollongong On Campus
Spring2010/ Autumn2011 Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Research Project A aims to equip students with a wide variety of research skills required for professional psychology. The content will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review. Students completing the MPsych program will also complete Research Project B and a project report in the format of a journal article.

PSYP903 Research Project B Part 1

Autumn Wollongong On Campus
Credit Points: 16
Pre-requisites: None
Co-requisites: None
Subject Description: Research Project B in combination with Research Project A, aims to equip MPsych (Clinical) students with a wide variety of research skills required for professional psychology. The context will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed

by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review and a project report in the form of a journal article.

PSYP904 Research Project B Part 2

Annual	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 16
Pre-requisites: None
Co-requisites: None
Subject Description: Research Project B in combination with Research Project A, aims to equip MPsych (Clinical) students with a wide variety of research skills required for professional psychology. The context will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review and a project report in the form of a journal article.

SHS 900 Research Projects

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: A research project designed to develop an understanding of the scientific process through the experience of research. Students will design, propose, conduct, analyse, interpret and then present the results of a research project which can be related to the topic of their Major Thesis.

SHS 901 Practicum

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: A subject which introduces students to their supervisor's laboratory and allows for the development of technical skills and procedures critical to the success of their Major Project. If the student is undertaking a non-laboratory based thesis, another relevant subject may be substituted for SHS 901 with the approval of the HOD.

SHS 902 Special Topics

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: A subject, which develops the students' ability to examine, access, interpret and evaluate primary and secondary source research data and ideas. Students will write an extensive critical review of the literature or other approved area of research related to their Major Thesis.

SHS 903 Independent Study

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is to provide students with the opportunity to explore an issue or problem of particular interest to their field of study with the assistance of a supervisor. It will allow for the development of the student's knowledge, skills and competencies critical to their discipline.

SHS 930 Health Promotion Competencies

Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will enable students to learn how to effectvely design, implement, manage and evaluate health promotion projects and programs using guidelnes such as those provided by the Ottawa Charter for Health Promotion (1986) and the Bangkok Charter for Health Promotion in a Globalised World (2005). Other skills considered integral to health promotion practice, such as policy advocacy; partnership buildng and collaboration; health education; communication and media skills will also be examined. Students will also be provided with opportunities to apply these skills over the course of the semester.

SHS 931 Public Health Communication & Data Skills

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Students who have already demonstrated acquisition of these communication and data skills.
Subject Description: This subject introduces students to those communication and data skills which are considered essential for public health practice and which underpin other subjects in the MPH. These include the ability to effectively find and critically analyse public health data and to communicate public health knowledge in a variety of formats. The subject is designed in three parts to develop the students' literacy skills in concurrence with the literacy demands of other

subjects: Part 1, Introduction to critical analysis; Part 2, Accessing and evaluating information; and Part 3, Structuring arguments and communicating information.

SHS 932 Epidemiology

Spring Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: GHMD983 or SHS 940- Statistics in Health Research. Students who have already completed GHMD983 or SHS 940 should apply for a waiver of this co-requisite.
Exclusions: POP 204 AND SHS 332
Subject Description: This subjects addresses prinicples and methods of epidemiological investigation including analytical and experimental epidemiology. Topics to be covered include: measurement in epidemiology; screening; study design (cross sectional, ecological, case controland cohort stduies, as well as randomized controlled clinical trials); analysis of studies; critical appraisial of the literature; criteria for causality; and measurement error such as bias and confounding. These methodological issues will be applied to a range of public health-related areas such as infectious and non-communicable diseases, occupational and clinical epidemiology, health services utilisation and planning for health needs.

SHS 933 Social Determinants of Health

Autumn Wollongong Distance
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to theories and concepts from the social sciences necessary for the understanding and analysis of public health issues. Using a social determinants framework, it examines socio-economic, cultural and environmental influences on health and health outcomes, explores the meaning of concepts such as class, gender and ethnicity and their importance as determinants of health, and critiques explanations for the persistence of health inequalities.

SHS 934 Health Promotion

Autumn Wollongong Distance
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: POP 202 or SHS 231
Subject Description: Health Promotion is the process of enabling people to take control of and improve their health (WHO, 1986). This subject introduces students to the concept of health promotion and how it has been applied in particular settings -health services, worksites, schools and communities. A new public health approach with particular attention paid to health equity is adopted as it recognises that health is determined by a complex interplay of factors. Theoretical perspectives of behaviour change and public policy, as they are applied within the field of health promotion, will also be critically reviewed.

SHS 935 Public Health Policy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Public Health policy will be critically examined at the global, national and local levels and from government and non-government perspectives. The range of public health policy instruments will be explored. Contemporary public health policy issues will be critically examined, including establishment of the policy agenda, implementation and monitoring of the policy, ethics and values, the roles and responsibilities of agencies and health professional groups, participatory processes, and the effectiveness in management of population health risk. Policy analysis will be informed by different theoretical approaches and practical examples.

SHS 936 Public Health Nutrition

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with GHMA930 or BMS310 or SFC902 or SHS 953 or SHS 353
Subject Description: This subject introduces students to the principles of public health nutrition. Global, national and local public health nutrition issues and programs will be explored, within a broad food system framework. Key areas of public health nutrition practice will be introduced, including food and nutrition monitoring and surveillance, food policy and nutrition promotion. The subject involves on-line discussion of public health nutrition issues. Course materials are available via an e-learning subject site.

SHS 937 Nutrition Promotion

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject commences with an overview of the global food system, examines the key challenges it presents for public health, looks at some of the historical responses to these challenges, discusses the major influences on consumers' food behaviours, and then moves on to examine the main theories and methods used in this area. In the second part of the subject, the problems and approaches taken within various settings and social systams, such as children's institutions, the workplace, hospitals and health services are examined.

SHS 938 Food & Nutrition Monitoring & Surveillance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Policymakers, food regulators and health professionals need valid and up-to-date information on food consumption patterns and the food supply to assess the influence of food and nutrient intake on health outcomes. Key information required for a Food and Nutrition Monitoring System (FNMS) includes data on: (i) the food supply (food availability and composition); (ii) food purchasing and acquisition patterns (food expenditure, food security); (iii) food and nutrient intake and physical activity patterns and (iv) nutritional status (including biomarkers). This subject provides students with the opportunity to explore different

methods and sources of data collection in these four areas. Australia has no ongoing, coordinated Food and Nutrition Monitoring System but available data from regional and ad hoc surveys will be examined, together with examples from other countries (USA, Canada, UK) and international agencies such as FAO and WHO.

SHS 939 Food & Nutrition Policy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMD936 OR SHS 936
Co-requisites: None
Subject Description: Food and Nutrition Policy will be critically examined at the global, national and local levels. Critical factors impacting on food policy will be explored through a range of economic, social, political and public health perspectives. Contemporary food policy debates and the roles of public health professionals and other key stakeholders in these debates will be explored. A range of specific food policies will be examined and may include agriculture and trade policies, nutrition policies, food regulations, welfare policy and urban and regional planning.

SHS 940 Statistics in Health Research

Spring Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: GHMD983
Subject Description: Introduces basic statistical concepts and methods. Topics covered: collecting data, designing statistical studies, principles of data presentation; exploratory data analysis, probability and statistical models emphasising binomial and normal distributions; categorical data, contingency tables and the Chi-squared distribution; sampling, sample means and the central limit theorem; inference - point estimation, confidence intervals, testing hypotheses; inference about single parameters; comparing means and proportions, analysis of variance, demography.

SHS 941 Public Health Research Methodology

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: GHMD983 Statistics in Health Research, or GHMB950 Reflective Practice, or equivalent. Students who have already completed GHMD983 or SHS 940 or GHMB950 should apply for a waiver of the co-requisite.
Subject Description: This subject introduces students to health research methodology. Topics include formulating a research question, conducting a literature review and writing a research proposal. Students will acquire skills in interviewing, survey design, and appropriate methods of qualitative and quantitative analysis. Ethical issues such as informed consent and confidentiality will be addressed

SHS 942 Major Project

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: GHMD984 OR SHS 941
Co-requisites: None
Subject Description: The aim of this subject is to allow students to design and conduct a small public health research project under supervision. The type of project will be decided in conjunction with the project supervisor; options include an empirical study, a critical review of existing materials such as a meta-analysis, an evaluation of a service or program, or the development and testing of an educational program. All students will write a project proposal, critically analyse the relevant literature, and write a final report or other assessments. Students will also present their work to a School of Health Sciences seminar. Approval from the University Human Research Ethics Committee will be required if the project involves human participants.

SHS 951 Nutrients and Metabolism

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: BMS 311 OR SHS 351
Subject Description: This subject articulates with prior subjects and integrates the nutritional knowledge with the science of biochemistry and physiology. It is a fundamental subject on which further studies in the science of nutrition can be built upon. 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, namely protein and fat quality, folate and B vitamins, antioxidants and soy phytoestrogens, most of which do not have Nutrient Reference Values (NRVs). The overall aims are 1) to understand the relationships between intake of nutrients and health status; 2) to develop an appreciation for the development of an RDI/AI/NRV for a nutrient and 3) to assess the feasibility of achieving recommendations of intakes of nutrients.

SHS 952 Research in Human Nutrition

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: STAT151 or Equivalent
Co-requisites: None
Exclusions: BMS 312 or SHS 352
Subject Description: The 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.

SHS 953 Community and Public Health Nutrition

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: BMS310 OR GHMD936 OR SFC 902 OR SHS 936 OR SHS 353
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.

SHS 970 Advanced Workplace Injury Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This course should provide students with an overview of workplace injury management and return to work strategies. Principles of workplace rehabilitation and legislative requirements specific to NSW will be covered. Students should gain practical skills and experience in workplace injury management and assessment through the use of case studies, with the emphasis on injury management - maintaining an injured worker in the workplace through appropriate workplace assessment, matching worker capabilities with work tasks, reducing the risk of re-injury, and promoting the return to full duties.

SHS 971 OHS Risk Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Risk management in the workplace is the culture, processes and structures that are directed towards realising potential opportunities whilst managing adverse effects (AS/NZS 4360:2004). The risk management process is the systematic application of management policies, procedures and practices to the tasks of communicating, establishing the context, identifying, analysing, evaluating, treating, monitoring and reviewing risk (AS/NZS 4360:2004). In OHS this process is directed towards the identification of hazards to health and safety of the workforce and to their control. The following topic areas will be covered: Hazard identification; Risk assessment, control and monitoring; Critical evaluation and review of risk assessment techniques and implementation strategies; The process and recording of investigations into incidents and accidents in the workplace that threaten or harm workers' health and/or safety; The development of a safety management plan. Students will conduct risk management assessments and gain experience in writing reports suitable to submit to industry. Students will use their knowledge of risk management principles to assess OHS hazards in the workplace and recommend appropriate control strategies.

SHS 972 Principles of Occupational Hygiene

Summer 2010/2011 Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In modern society every workplace contains chemical, physical or biological agents which may have the potential to give rise to adverse health effects in workers. This course aims to present the principles of occupational hygiene and toxicology and how this information is used by practioners to recognise, evaluate and control workplace exposures.

SHS 973 Behavioural Change: Human Factors in OHS

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Traditional OH&S performance based strategies are giving way to developments in behavioural science that aim to: allow recognition of occupational, environmental and social factors that influence attitudes and behaviours in the workplace; provide an insight into human error; and provide mechanisms to modify behaviours so as to eliminate or reduce the potential for error. Our students will examine the results of safety programmes operating in industry so they understand the concepts and influences behind: The role of the OH&S professional in influencing management; The importance of goal setting, leadership and the 'engagement' of people; The Behaviour-Based System of Safety Management; Human error and the difference between slips, lapses, mistakes and violations; Mindful and Error Tolerant Organisations; The styles and pitfalls of reward and disciplinary systems that seek to ensure safety compliance; Human nature, sensation, perception, 'stress' and distress, fatigue and shift work; The impact of drugs and alcohol on safety performance and analysis of the efficacy of random testing; Methods and efficacy of assessing potential job candidates in terms of safety compliance. At the conclusion, students will have a solid understanding of the concepts and foundations of human behaviour (with the exception of ergonomics) and the necessary skills to undertake a critical review of OH&S strategies and the development of intervention strategies.

SHS 974 Measurement of Hazardous Substances

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject, Measurement of Hazardous Substances, is to outline the general approach advocated for the assessment of the health risk(s) associated with exposure to hazardous substances, and then focuses in detail on the role and application of atmospheric monitoring. It addresses the theory of sampling, practical sampling and analytical considerations and the calculation and presentation of results. Numerical calculations are included to ensure that the underlying principles are well understood.

SHS 975 Thermal Environment

Winter Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The overall aim of this subject is to develop professional knowledge and skills in the specialised area of thermal environments. Specifically the subject will: Provide the student with a sound understanding of the physiological effects of the thermal environment on workers in a variety of settings; Develop the skills necessary to assess the degree of risk in a wide variety of situations both hot and cold; Provide guidance on those control measures that can be used to minimise the effects of adverse thermal conditions in the workplace.

SHS 976 Noise - Measurement and its Effects

Winter Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is to provide the student with an appreciation of the nature of noise hazards in the workplace and the effects of noise on people. Additionally, the subject details the approach in conducting noise assessments in the workplace as well as the general environment; and to determine the significance of measurement data in relation to the various standards for compliance.

SHS 977 Control of Hazardous Substances

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is to provide the student with an appreciation of workplace processes and practices where hazardous substances occur and the methods that can be used to control employee exposures to those hazardous substances. Additionally, the subject details the approach in conducting assessments of ventilation systems (a key control technology) in the workplace to establish if the ventilation system is effective and operating to its design specifications.

SHS 978 Asbestos and Other Fibres

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is to enhance the student's knowledge of occupational hygiene practice in relation to fibrous dusts such as asbestos, synthetic mineral fibres (glass fibre, rock wool etc) and aramids (such as Nomex, Kevlar, Twaron etc) of which the latter are increasingly finding uses in industry. This subject provides guidance as to how these products can be managed so as to minimise employee exposures. This includes understanding the health effects, evaluating workplace exposures, and management of fibrous materials in workplaces.

SHS 979 Ergonomics Essentials

Summer 2010/2011 Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of the subject is to provide the student with a broad based introduction to ergonomic principles and their application in the design of work, equipment and the workplace. Specific consideration will be given to musculoskeletal disorders, manual handling, ergonomic aspects of the environment, as well as to the social aspects and relevant international standards.

SHS 980 Epidemiology and Toxicology for OHS Practitioners

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is to provide the student with a sound knowledge of the principles of industrial toxicology and epidemiology and its relevance with workplace health. This will assist with their understanding of the basis of workplace exposure standards and how they can be applied in the working environment. Students will also gain experience as to how they should research the health effects of various contaminants in the workplace.

SHS 981 Occupational Hygiene in the Oil and Gas Industry

Summer 2010/2011 Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMA940 and GHMA943 and GHMA946 and GHMA941 OR SHS974 and SHS 977 and SHS 980 and SHS 975
Co-requisites: None
Subject Description: The aim of this subject is to provide the student with specialist information relating to workplace situations likely to arise in the oil and gas industry. Specific information will be provided as to how various situations can be identified, assessed and controlled. Topics covered include exposure assessment, role of the occupational hygienist, design and construction risks, risk communication, specific risks in upstream and down stream sites and emergency response.

SHS 982 Occupational Hygiene in the Mining Industry

Summer 2010/2011 Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMA940 and GHMA943 and GHMA946 and GHMA941 OR SHS974 and SHS 977 and SHS 980 and SHS 975
Co-requisites: None
Subject Description: The aim of this subject is to provide the student with specialist information relating to workplace situations likely to arise in the mining industry. Specific information will be provided as to how various situations can be identified, assessed and controlled. Topics covered include exposure assessment, role of the occupational hygienist, design and construction risks, risk communication, specific risks in mining and mineral processing sites and emergency response.

SHS 983 Occupational Hygiene Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMA940 or SHS 974 AND GHMA946 or SHS 980
Co-requisites: GHMA943 or SHS 977
Subject Description: For successful completion of this subject each student will be required to undertake a suitable occupational hygiene project associated with their employment and research the issue(s) identified. The project should focus on a workplace where a potential for exposure from a chemical, physical or biological contaminant may exist and provides the opportunity to collect and critically evaluate data and prepare a report. For those students who cannot undertake a project at their workplace, suitable alternate projects will be provided. Each student will have access to a mentor who will help guide them through the projectthe health effects of various contaminants in the workplace.

Faculty of Informatics

Courses Offered

School of Computer Science and Software Engineering

Doctor of Philosophy
Master of Computer Science - Research
Master of Computer Science Advanced
Master of Computer Science
Master of Computer Studies
Graduate Diploma in Computer Science (only offered at SIM Singapore)

School of Electrical, Computer and Telecommunications Engineering

Doctor of Philosophy
Master of Engineering - Research
Master of Engineering Practice (Mechatronics)
Master of Engineering Studies
Master of Professional Engineering
Master of Technology Engineering
Graduate Diploma in Technology Engineering

School of Information Systems and Technology

Doctor of Philosophy
Master of Information Systems and Technology – Research
Master of Health Informatics
Master of Health Leadership and Management
Master of Information and Communication Technology
Master of Information and Communication Technology Advanced
Master of Information Systems
Master of Information Technology Studies
Master of Information Technology Studies Advanced
Master of Information Technology Management

School of Mathematics and Applied Statistics

Doctor of Philosophy
Master of Science - Research (Mathematics)
Master of Science - Research (Statistics)
Master of Mathematics
Master of Statistics
Master of Financial Mathematics
Master of Mathematical Studies

For tuition fee information please see the following:
Domestic - www.uow.edu.au/student/finances
International - www.uow.edu.au/future/international/apply/fees

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics (School of Computer Science & Software Engineering)
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 cp per year
Delivery Mode:	Face-to-face, or combination of Face-to-face/distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	001244E

Overview

Doctor of Philosophy (PhD) candidates undertake in-depth research in order to make an original contribution to the body of knowledge in a chosen field of study. This qualification can lead to, or enhance, an academic career and is also highly regarded by public and private sector employers.

Entry Requirements / Assumed Knowledge

A four-year Honours Bachelor degree in Computer Science (a minimum of Class II, Division 2 or higher), or Master of Computer Science – Research degree with strong performance in the 48 credit point thesis, or equivalent.

Course Requirements

This program is 100% by thesis. Candidates enrol in a 48 credit point thesis subject and repeat the same enrolment for each year of study, usually over three years of full-time study. Students may be required to attend lectures in relevant topics from time to time throughout the program.

Current Research Areas

Security

Computer and Communication Security
Cryptography Theory and Combinatorial Design
Information Theory and Coding
Network Security
Multimedia Security

Software Engineering

Software Testing
Requirements Engineering
Business Process Management
Service-oriented Systems
Agent-oriented Software Engineering

Multimedia Information Processing

Image/Video Processing
Human Activity Detection and Recognition
Image/Video Annotation and Retrieval
Multimodal Biometrics and Crypto-biometrics
Multimedia Security and Forensics
Virtual Reality

Intelligent Systems

Robotics
Machine Learning
Machine Vision
Ultrasonic Sensing
Safety, Risk and Hazard Analysis
Distributed Systems
Agent and Multi-agent techniques
Data Mining and Modelling
Agent Programming
Constraint Programming
Knowledge Representation and Reasoning

Master of Computer Science - Research

Testamur Title of Degree:	Master of Computer Science – Research
Abbreviation:	MCompSc–Res
Home Faculty:	Informatics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Face-to-face, or combination of Face-to-face/Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1313
CRICOS Code:	042541A

Overview

This program is designed to equip students with superior skills in research design and methodology in preparation for leadership roles in the field of computer science.

Entry Requirements / Assumed Knowledge

This is primarily a research degree for those who have normally completed an Honours Bachelor degree at a standard of Class II, Division 2 or higher, or a Masters by coursework in an appropriate discipline, which includes a research training component.

Credit Transfer

Candidates with an Honours Bachelor degree at a standard of Class II, Division 2 or higher, or Masters by coursework degree, may be given exemption from all, or some, of the 24 credit points of coursework and admitted directly to the 48 credit point research thesis component. This is contingent on evidence of proven research experience.

Course Requirements

The degree is normally 72 credit points, consisting of a 48 credit point research thesis and 24 credit points of coursework. The program must be completed in a maximum time of two years full-time and requires satisfactory completion of the following:

1. CSCI940 Research Methodology (6cp)
2. Three subjects (18cp) from the CSCI Graduate Subjects List to constitute a coherent introduction to the proposed area of research, as agreed to by Head of School. (Note: students must achieve at least a WAM of 67.5% in the coursework component); and
3. 48 credit point thesis.

Candidates who fail to meet the requisite standard for the coursework component may have their enrolment cancelled. In this case, a candidate may be eligible to apply for one of the graduate certificates offered by the Faculty or transfer to a 48 credit point Masters by coursework degree.

A candidate may not include for this degree subjects similar in content to subjects included in their Honours or Masters. Each candidate shall have a supervisor and a co-supervisor appointed on the recommendation of the Head of the School of Computer Science and Software Engineering.

Current Research Areas

Refer to Current Research Areas under the Doctor of Philosophy entry for the School of Computer Science & Software Engineering.

Master of Computer Science Advanced

Testamur Title of Degree:	Master of Computer Science Advanced
Abbreviation:	MCompScAdv
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1613
CRICOS Code:	067080G

Overview

This degree is designed to provide advanced studies in Computer Science at a professional level and also prepare students for the Master of Computer Science - Research or Doctoral research programs. In particular this degree allows students to specialise in at least two majors and research methods training.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with a major in Computer Science, Software Engineering or Computer Engineering, with at least a 60% average.

Applicants will be required to attend a UNIX Workshop during Orientation Week, unless they can demonstrate proficiency in an object-oriented programming language (for example C++ or Java) and operating systems (eg: UNIX or Linux).

Course Requirements

The degree requires satisfactory completion of 900 level subjects to the value of at least 96 credit points, including:

(a) CSCI920 Contemporary Topics in Computer Science (6cp)
(b) At least six (6) subjects (36cp) chosen from a major subject list;
(c) At least six (6) subjects (36cp) chosen from a second major subject list;
(d) Satisfactory completion of CSCI940 Research Methodology (6cp) and;
(e) CSCI991 Project (12cp)*

*Enrolment in CSCI991 Project (12 cp):

(i) if a mark of 75% is attained in CSCI940 Research Methodology, entry into CSCI991 Project (12cp) will be permitted.
(ii) if a mark of 75% is NOT attained in CSCI940 Research Methodology then the candidate must take an additional two (2) subjects (12cp) of 900 level subjects.

These subjects would normally be chosen from the CSCI Graduate Subject List.

However, the Head of School may approve subjects from another discipline. Such a subject would normally come from 900 level ISIT, MATH, STAT, ECTE or TBS subjects, though alternatives from other disciplines can be considered if of relevance to a chosen programme of study. This approval must be sought PRIOR to enrolment in the subject.

Areas of Major Study

Candidates enrolled in this degree may choose to major in 2 of the following:

- Information Security
- Multimedia Intelligent Processing
- Software Engineering & Project Management

Requirements for majors

Multimedia & Intelligent Processing Subject list:
Choose 6 of the following:

INFO933	Pattern Recognition	Autumn	6cp
CSCI935	Computer Vision	Spring	6cp
CSCI964	Computational Intelligence	Autumn	6cp
CSCI944	Perception and Planning	Spring	6cp
CSCI924	Reasoning and Learning	Spring	6cp
CSCI936	Visualisation	Autumn	6cp
CSCI946	Multimedia Content Management	Spring	6cp
ECTE901	Multimedia Signal Processing	Autumn	6cp
ECTE903	Image and Video Processing	Spring	6cp
ECTE906	Advanced Signals and Systems	Autumn / Spring	6cp

Software Engineering & Project Management Subject list:
Choose 3 of the following:

CSCI910	Formal Methods in Software Engineering	Autumn	6cp
CSCI928	Software Engineering Requirements and Specification	Spring	6cp
CSCI926	Software Testing and Analysis	Autumn	6cp
CSCI927	Service-Oriented Software Engineering	Spring	6cp

Choose 3 of the following:

ISIT900	Fundamentals of Contemporary Technologies	Autumn/ Spring	6cp
ISIT905	Technology Management and Innovation	Not available in 2010	6cp
ISIT917	Business Intelligence and Knowledge Management	Autumn	6cp
ISIT937	Information Technology Security and Risk Management*	Not available in 2010	6cp
ISIT946	Project and Change Management	Spring	6cp (note has a pre-requisite of ISIT900)

Information Security Subject list:
Choose 6 of the following:

CSCI966	Coding for Secure Communication	Autumn	6cp
CSCI968	Advanced Network Security	Spring	6cp
CSCI969	Topics in Applying Information Security	Autumn/ Spring	6cp
CSCI971	Advanced Computer Security	Spring	6cp
INFO912	Mathematics for Cryptography	Autumn	6cp
ISIT937	Information Technology Security and Risk Management*	Not available in 2010	6cp

*This subject can only count for ONE major if both majors are attempted

Professional Recognition

The Master of Computer Science Advanced is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

Master of Computer Science

Testamur Title of Degree:	Master of Computer Science
Abbreviation:	MCompSc
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	585
CRICOS Code:	012129F

Overview

This degree is designed to provide advanced studies in Computer Science at a professional level and also prepare students for the Master of Computer Science – Research or Doctoral research programs. Candidates may choose to complete a single major in a sub-discipline such as Multimedia Information Processing, Software Engineering, Computer and Network Security or Intelligent Systems.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with a major in Computer Science, Software Engineering or Computer Engineering, with at least a 60% average.

Applicants will be required to attend a UNIX Workshop during Orientation Week, unless they can demonstrate proficiency in an object-oriented programming language (for example C++ or Java) and operating systems (eg: UNIX or Linux).

Course Requirements

The degree requires satisfactory completion of 900 level subjects to the value of at least 48 credit points including:

(a) CSCI920 Contemporary Topics in Computer Science

(b) At least three (3) subjects (18 cp) chosen from one major subject list;

(c) Plus an additional four (4) subjects (24cp) of 900 level subjects. These subjects are normally to be selected from the CSCI Graduate Subject List. A student given prior permission by the Head of School may select up to two (2) 900 level ISIT, MATH, STAT, ECTE or TBS subjects in place of subjects in the CSCI Subject List. The Head of School may approve a 900 level subject from another discipline if it is of particular relevance to a chosen program of study. This approval must be sought PRIOR to enrolment in the subjects.

Areas of Major Study

Students enrolled in this degree may choose to major in:

- Computer and Network Security
- Intelligent Systems
- Multimedia Information Processing
- Software Engineering

Requirements for majors

Subjects		Session	Credit Points
Multimedia Information Processing Subject list:			
INFO933	Pattern Recognition	Autumn	6cp
ECTE903	Image and Video Processing	Spring	6cp
CSCI935	Computer Vision	Spring	6cp

Software Engineering Subject list:			
CSCI910	Formal Methods in Software Engineering	Autumn	6cp
CSCI928	Software Engineering Requirements and Specification	Spring	6cp
CSCI926	Software Testing and Analysis	Autumn	6cp
CSCI927	Service-Oriented Software Engineering	Spring	6cp
Computer and Network Security Subject list:			
CSCI966	Coding for Secure Communication	Autumn	6cp
CSCI968	Advanced Network Security	Spring	6cp
CSCI971	Advanced Computer Security	Spring	6cp
Intelligent Systems Subject list:			
CSCI964	Computational Intelligence	Autumn	6cp
CSCI944	Perception and Planning	Spring	6cp
CSCI924	Reasoning and Learning	Spring	6cp

Professional Recognition

The Master of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

Master of Computer Studies

Testamur Title of Degree:	Master of Computer Studies
Abbreviation:	MCompStud
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1612
CRICOS Code:	067081G

Overview

The objective of this program is to provide state-of-the-art knowledge and specialist skills in Computer Science. It is suitable for candidates who have a bachelor degree in areas other than ICT and wish to pursue a career in computer science.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, in any discipline, with at least a 60% average.

Course Requirements

Candidates must successfully complete 16 subjects to a value of 96cp, including:

1. Nine (9) Core Subjects to a value of at least 54cp;
2. No more than four (4) subjects selected from Elective Subjects List A; and
3. At least three (3) subjects selected from the Elective Subjects List B.

Course Program

Core Subjects - Nine (9) subjects should be selected

Subject code	Subject name	Session	Credit Points
MCS9102	Information Systems	Autumn	6
MCS9103	Algorithms & Problem Solving	Autumn/ Spring	6
MCS9114	Procedural Programming	Autumn/ Spring	6
MCS9124	Applied Programming	Autumn/ Spring	6
MCS9201	Professional Practice & Ethics	Autumn	6
MCS9203	Algorithms & Data Structures	Autumn	6
MCS9204	Object & Generic Programming in C++	Autumn/ Spring	6
MCS9212	Interacting Systems	Autumn	6
MCS9222	Systems Development	Autumn/Spring	6

Elective Subjects for List A- No more than four (4) subjects should be selected

Subject code	Subject name	Session	Credit Points
MCS9110	Introduction to W3 Technologies	Spring	6
MCS9236	3D Modelling and Animation	Spring/Summer	6
MCS9262	Systems Security	Spring	6
MCS9205	Software Development Methods & Tools	Spring	6
MCS9206	Markup Languages	Autumn	6

MCS9213	Java Programming & Applications	Spring	6
MCS9235	Database Systems	Spring	6

Elective Subjects for List B- At least three (3) subjects should be selected

Subject code	Subject name	Session	Credit Points
MCS9301	Information & Communication Security	Spring	6
MCS9303	Social Informatics & the Workplace	Spring	6
MCS9311	Software Process Management	Autumn	6
MCS9315	Database Design & Implementation	Autumn	6
MCS9317	Database Performance Tuning	Spring	6
MCS9318	Software Engineering Practices & Principles	Spring	6
MCS9319	Distributed Systems	Autumn	6
MCS9322	Systems Administration	Spring	6
MCS9323	Artificial Intelligence	Spring	6
MCS9324	Human Computer Interface	Autumn	6
MCS9336	Computer Graphics	Autumn	6
MCS9337	Organisation of Programming Languages	Spring	6
MCS9346	Game Development	Autumn	6
MCS9356	Game Engine Fundamentals	Spring	6
MCS9358	Security Engineering	Spring	6
MCS9361	Cryptography & Secure Applications	Autumn	6
MCS9366	Multimedia Computing	Autumn	6
MCS9368	Network Security	Spring	6
MCS9398	Introduction to Enterprise Computing	Spring	6
MCS9399	Server Technology	Autumn	6

Professional Recognition

The Master of Computer Studies is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

Graduate Diploma in Computer Science

Testamur Title of Degree:	Graduate Diploma in Computer Science
Abbreviation:	GradDipCompSc
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	SIM Session 1, SIM Session 2, SIM Session 3, SIM Session 4.
Location:	Singapore Institute of Management (SIM)
UOW Course Code:	687
CRICOS Code:	NA

Overview

This degree is designed to provide state of the art knowledge and specialist skills in Computer Science. It is suitable for candidates who have existing but limited ICT/Engineering technical qualifications or who have significant experience in related fields, but wish to upgrade their knowledge and understanding in this field. The degree is designed primarily for professionals who wish to progress upwards or broaden their career in the ICT industry.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with at least a 60% average in an area related to ICT/ Engineering. Applicants with a degree in any area plus at least one year full-time employment in the ICT industry will be considered.

Course Requirements

The degree requires satisfactory completion of 48 credit points that include:

(a) 24 credit points selected from the subject list for one of the major studies; and

(b) 24 credit points selected from the 300 level computer science subjects.

Areas of Major Study

Students enrolled in this degree may choose to major in:

- Digital Systems Security
- Multimedia and Game Development
- Enterprise Systems

Requirements for majors

Subjects		Credit Points
Digital Systems Security		
CSCI262	Systems Security	6
CSCI361	Cryptography and Secure Applications	6
CSCI368	Network Security	6
CSCI319	Distributed Systems	6
Multimedia and Game Development		
CSCI236	3D Modelling and Animation	6
CSCI336	Computer Graphics	6
CSCI346	Game Development	6
CSCI356	Game Engine Fundamental	6
CSCI366	Multimedia Computing	6
Enterprise Systems		
Select one subject from this list:		
ITCS206	Markup Languages	6
CSCI213	Java Programming and Applications	6
CSCI262	System Security	6
Select three subjects from this list:		
CSCI315	Database Design and Implementation	6
CSCI317	Database Performance Tuning	6
CSCI398	Introduction to Enterprise Computing	6
CSCI399	Server Technology	6
Software Engineering		
CSCI205	Software Development Methods and Tools	6
MGMT208	Introduction to Management Professionals A	6
CSCI311	Software Process Management	6
CSCI318	Software Engineering Practices and Principles	6

Professional Recognition

Accreditation will be sought for this degree.

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics (School of Electrical, Computer and Telecommunications Engineering)
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 cp per year
Delivery Mode:	Face-to-face or a combination of Face-to-face/Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	001244E

Overview

Doctor of Philosophy (PhD) candidates undertake in-depth research in order to make an original and significant contribution to the body of knowledge in their chosen studies. This qualification can lead to or enhance an academic career and is highly regarded by private and public sector employers.

Entry Requirements/Assumed Knowledge

A four-year Honours Bachelor of Engineering degree (minimum Class II, Division 2 or higher); or a Master of Engineering Studies (at the required level); or a Master of Engineering – Research, in one of the following areas: Computer, Electrical, Electronic or Telecommunications Engineering; or equivalent.

The School normally requires students to register initially for the Masters by Research program. Subject to satisfactory progress, including the presentation of a report and seminar, a student's candidature may be transferred to Doctor of Philosophy (PhD) after one year, without penalty.

Course Requirements

This program is by 100% thesis. Students may be required to attend lectures in relevant topics from time to time throughout the program.

All new students enrolling in a research degree are expected to prepare and defend a research proposal early in their candidature. Normally, the degree will be completed in not less than four, and not more than eight, academic sessions of full-time study, or six to 16 sessions of part-time study.

Current Research Areas

The following areas of research are available to candidates undertaking the degrees of Doctor of Philosophy or Master of Engineering - Research:

Intelligent Mechatronics: Automation

Advanced control systems
Control networks
Haptic rendering
Machine tool design
Precision position and speed control
Robotics and sensors
Telerobotics
Virtual manipulation

Intelligent Mechatronics: Applications

Arc welding control
Medical image processing
Renewable energy sources
Superconducting magnetic energy storage
Virtual surgery

Power: Quality and Reliability

Conducted electromagnetic interference (EMI)
Data mining
Distribution system reliability
Harmonic management
Power electronics and drives
Power quality monitoring and data analysis
Power quality indices and reporting
Standardisation
Voltage fluctuations and flicker

Telecommunications: Digital Signal Processing

Adaptive filtering
Blind signal processing
Coding for error-prone channels
Computational auditory scene analysis
Data mining
Filter banks and wavelets
Image and video segmentation, compression and retrieval
Internet access technologies (xDSL)
Low-rate speech coding
Multirate signal processing
Wideband speech/audio coding
3D Audio objects and environments

Telecommunications: Network Services

Internet and WWW services
Internet telephony
Multimedia databases
Network games
Video on demand

Virtual reality

Telecommunications: Photonics

Bragg grating sensing system

Fibre Bragg grating design and writing

FBG devices for optical communication systems

Optical fibre

Telecommunications: Switched Networks

Active networks

Ad hoc multi-hop networking

Closed loop control in packet networks

Location aware networking

Network dimensioning

Network management

Network traffic modelling and control

Wireless internet protocols

Telecommunications: Wireless Communications

Code division multiple access systems

Microwave propagation and channel modelling

Mobile ad hoc networks

Sequence design

Smart antennas

Space-time coding

Ultra wideband communications

Note: Not all areas are available for research at all levels, nor at all times.

Master of Engineering - Research

Testamur Title of Degree:	Master of Engineering – Research
Abbreviation:	ME-Res
Home Faculty:	Informatics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face) and Supervised individual research
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1303
CRICOS Code:	042557D

Overview

This program aims to provide specialised research training for those preparing for careers in academia, government and industry; and to provide practising engineers with the means to increase their knowledge and upgrade their qualifications.

Entry Requirements / Assumed Knowledge

This degree is primarily a research degree for those who have completed an Honours Bachelor degree at a standard of Class II, Division 2 or higher; or a Master of Engineering Studies degree with satisfactory completion of ECTE953 and a weighted average mark of 67.5% or higher (or equivalent), in one of the following areas: computer; electrical; telecommunications engineering; or a related area.

Entry from a Pass Bachelor degree in computer, electrical, telecommunications engineering, or a related area, is possible if a candidate has a good academic record.

Credit Transfer Arrangements

Candidates with an Honours Bachelor degree at a standard of Class II, Division 2 or higher; or a Master of Engineering Studies degree with satisfactory completion of ECTE953 and a weighted average mark of 67.5% or higher in computer, electrical, or telecommunications engineering or a related area (or equivalent), may be given exemption from all, or some, of the 24 credit points of coursework. This would be contingent on evidence of considerable research strength.

Course Requirements

The degree is normally 72 credit points, consisting of a 48 credit point research thesis and 24 credit points of coursework. The program must be completed in a maximum time of two years full-time and requires satisfactory completion of the following:

1. 24 credit points of coursework, consisting of 900-level ECTE subjects chosen from those listed under the Master of Engineering Studies and approved by the Head of the School of Electrical, Computer and Telecommunications Engineering, in consultation with the School Postgraduate Research Committee, to constitute a coherent introduction to the proposed area of research; and
2. Subject to students gaining a weighted average mark of 67.5% for the coursework, a 48 credit point thesis subject.

Candidates who fail to meet the requisite standard for the coursework component will be required to transfer to the Master of Engineering Studies.

Current Research Areas

Refer to Current Research Areas under the Doctor of Philosophy entry for School of Electrical, Computer and Telecommunications Engineering.

Other Information

Subject to satisfactory progress and satisfactory performance in seminars, students may transfer to the Doctor of Philosophy (PhD) program prior to completion of the Master of Engineering – Research.

Master of Engineering Practice (Mechatronics)

This course is offered jointly by the Faculty of Engineering and the School of Electrical, Computer and Telecommunications Engineering.

Details of the Entry Requirements and Program of Study are contained in the Faculty of Engineering entry.

Graduates interested in mechatronics who have an electrical, computer, electronic or related undergraduate degree, may also consider the specialist mechatronics subjects that are available within the Master of Engineering Studies – Electrical Engineering Major.

Master of Engineering Studies

Testamur Title of Degree:	Master of Engineering Studies
Majors available	Electrical Engineering, Computer Engineering, Telecommunications Engineering, Power Engineering, Robotics and Automation
Abbreviation:	MEngStud
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent)
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	587
CRICOS Code:	012128G

Overview

The objective of this program is to provide graduates with engineering skills at a level between the Bachelor and Masters by Research degree levels.

Entry Requirements/Assumed Knowledge

A degree equivalent to a four year Australian Bachelor degree specialising in Computer, Electrical, Electronics or Telecommunications Engineering with an average mark of 60%.

Course Requirements

The Master of Engineering Studies program provides the opportunity for students to undertake a major in:

- Electrical Engineering
- Computer Engineering
- Telecommunications Engineering
- Power Engineering
- Robotics and Automation

The major will be recorded on the testamur.

Students must complete 48 credit points consisting of the common core (18 credit points); one major (18 credit points); and two electives (12 credit points).

The common core subjects: ECTE906 Advanced Signals and Systems and ECTE955 Advanced Laboratory must be undertaken in the first session of a student's enrolment. The common core subject, ECTE975 Communication and ICT Workplace Practice, must be satisfactorily completed in order for a student to be eligible to graduate.

The course program is set out below:

Course Program

Note: Only a limited number of subjects will be offered in any one year.

Core Subjects

Students must complete the following subjects in their first session of enrolment:

Subjects		Session	Credit Points
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE955	Advanced Laboratory	Autumn/Spring	6
ECTE975	Communications and ICT Workplace Practice	Autumn/Spring	6

Electrical Engineering Major

Students must select three subjects (18 credit points) from the following list:

ECTE933	Embedded Systems	Autumn	6
ECTE932	Computer Systems	Spring	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE962	Telecommunications System Modelling	Spring	6
ECTE902	Stochastic Signal Processing	n/o 2010	6
ECTE904	Adaptive Signal Processing	n/o 2010	6

Computer Engineering Major

Students must select three subjects (18 credit points) from the following list:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE903	Image and Video Processing	Spring	6
ECTE932	Computer Systems	Spring	6
ECTE905	Speech and Audio Processing	n/o 2010	6

Telecommunications Engineering Major

Students must select three subjects (18 credit points) from the following list:

ECTE982	Network Engineering	Autumn	6
ECTE962	Telecommunications System Modelling	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE986	Telecommunications Network Management	Spring	6
ECTE907	Communication Systems*	n/o 2010	6
ECTE908	Communication Systems Modelling*	n/o 2010	6

Power Engineering Major

Students must select three subjects (18 credit points) from the following list:

ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE942	Computer Controlled Systems	Spring	6

Robotics and Automation Major

Students must select three subjects (18 credit points) from the following list:

ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6
ECTE904	Adaptive Signal Processing	n/o 2010	6

Electives

Students must select two subjects from the following list:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE912	Power Electronics and Drives	Autumn	6

ECTE923	Power System Analysis	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE982	Network Engineering	Autumn	6
ECTE970	Advanced Topics in Engineering	Autumn/Spring	6
ECTE992	Internet Networking Protocols	Autumn/Spring	6
ECTE903	Image and Video Processing	Spring	6
ECTE926	Power Distribution Systems	Spring	6
ECTE932	Computer Systems	Spring	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE956	Internet Technology Laboratory	Spring	6
ECTE962	Telecommunications System Modelling	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6
ECTE986	Telecommunications Network Management	Spring	6
ECTE902	Stochastic Signal Processing	n/o 2010	6
ECTE904	Adaptive Signal Processing	n/o 2010	6
ECTE905	Speech and Audio Processing	n/o 2010	6
ECTE907	Communication Systems*	n/o 2010	6
ECTE908	Communication Systems Modelling*	n/o 2010	6
ECTE968	Coding and Error Correction	n/o 2010	6

Note: * Subjects are scheduled for implementation in 2011.

Master of Professional Engineering

Testamur Title of Degree:	Master of Professional Engineering
Majors Available:	Electrical Engineering, Computer Engineering, Telecommunications Engineering, Power Engineering, Robotics and Automation
Abbreviation:	MProfEng
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1607
CRICOS Code:	067085C

Overview

The objective of this program is to provide graduates with engineering skills at a level between the Bachelor and Masters by Research degree levels.

Entry Requirements/Assumed Knowledge

A degree equivalent to a four year Australian Bachelor of Engineering specialising in Electrical, Computer or Telecommunications Engineering with an average mark of 60%

Course Requirements

The Master of Professional Engineering program provides the opportunity for students to undertake a major in:

- Electrical Engineering
- Computer Engineering
- Telecommunications Engineering
- Power Engineering
- Robotics and Automation

The major will be recorded on the testamur.

Students must complete 96 credit points, consisting of the common core (42 credit points), one major (36 credit points) and three electives (18 credit points).

The common core subjects: ECTE906 Advanced Signals and Systems and ECTE955 Advanced Laboratory must be completed by all students in their first semester of enrolment in this degree program.

Students will be able to select one elective stream from three available options. The elective subjects will be based on the performance and interest of the student. The elective options are as follows:

Elective Option 1: Eligible for Placement

- ENGG943 Engineering Professional Placement (6 credit points)
- 2 elective subjects (12 credit points)

Note: Enrolment in ENGG943 Engineering Professional Placement is by UOW Subject Coordinator and potential employer approval only. To be eligible for this option, students will need to obtain a result of 65 or more in the Assessment Centre Experience task in the subject ENGG942 Professional Practice. This result will provide students with the opportunity to be interviewed for placement and subsequent completion of ENGG943 Engineering Professional Placement.

Elective Option 2: WAM of 72.5 or more

- ECTE953 Advanced Project (12 credit points)
- 1 elective subject (6 credit points)

Note: Enrolment in ECTE953 Advanced Project is by Head of School (or their delegate) approval only. To be eligible for this option, students will need to have a WAM2 of 72.5 or more at the end of their first year of completion of this degree program.

Elective Option 3: Not Eligible for Placement

- 3 elective subjects (18 credit points)

Course Program

Note: Only a limited number of subjects will be offered in any one year.

Core Subjects

Students must complete the following subjects in their first session of enrolment:

Subjects		Session	Credit Points
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE955	Advanced Laboratory	Autumn/Spring	6

Students must also complete the following core subjects:

ENGG942	Professional Practice	Annual	12
ENGG941	Sustainability for Engineers, Scientists and Professionals	Autumn	6
ECTE970	Advanced Topics in Engineering	Autumn/Spring	6
ISIT905	Technology Management and Innovation	n/o 2010	6

Electrical Engineering Major

Students must complete the following subjects:

ECTE933	Embedded Systems	Autumn	6
ECTE982	Network Engineering	Autumn	6
ECTE992	Internet Networking Protocols	Autumn/Spring	6
ECTE926	Power Distribution Systems	Spring	6
ECTE932	Computer Systems	Spring	6
ECTE942	Computer Controlled Systems	Spring	6

Computer Engineering Major

Students must complete the following subjects:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE903	Image and Video Processing	Spring	6
ECTE932	Computer Systems	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6

Telecommunications Engineering Major

Students must complete the following subjects:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE982	Network Engineering	Autumn	6
ECTE956	Internet Technology Laboratory	Spring	6
ECTE962	Telecommunications System Modelling	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE986	Telecommunications Network Management	Spring	6

Power Engineering Major

Students must complete the following subjects:

ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE931	Real-Time Computing	Autumn	6

ECTE926	Power Distribution Systems	Spring	6
ECTE942	Computer Controlled Systems	Spring	6
ISIT946	Project and Change Management	Spring	6

Robotics and Automation Major

Students must complete the following subjects:

ECTE912	Power Electronics and Drives	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6

Elective Options

Students must complete one the following elective options:

Elective Option 1			
ENGG943	Engineering Professional Placement	n/o 2010	6
	2 elective subjects selected from the list below.	Autumn/Spring	12
Elective Option 2			
ECTE953	Advanced Project	Autumn/Spring	12
	1 elective subject selected from the list below.	Autumn/Spring	6
Elective Option 3			
	3 elective subjects selected from the list below	Autumn/Spring	18

Electives

Students must select two subjects from the following list:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE982	Network Engineering	Autumn	6
CSCI968	Advanced Network Security	Autumn	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6
ECTE992	Internet Networking Protocols	Autumn/Spring	6
ECTE903	Image and Video Processing	Spring	6
ECTE926	Power Distribution Systems	Spring	6
ECTE932	Computer Systems	Spring	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE956	Internet Technology Laboratory	Spring	6
ECTE962	Telecommunications System Modelling	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6
ECTE986	Telecommunications Network Management	Spring	6
ISIT946	Project and Change Management	Spring	6
MCS9213	Java Programming and Applications	Spring	6
CSCI935	Computer Vision	Spring	6
ISIT937	Information Technology Security and Risk Management	n/o 2010	6

Master of Technology Engineering

Testamur Title of Degree:	Master of Technology Engineering
Majors available:	Digital Media Broadcasting Internet Technology
Abbreviation:	MTechEng
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1608
CRICOS Code:	067082F

Overview

The Master of Technology Engineering program is designed specifically for students who have an undergraduate background that is not specifically in computer, electrical or telecommunications engineering.

Student will have the opportunity to gain specialist skills as they complete a major in either Digital Media Broadcasting or Internet Technology.

The major will be recorded on the testamur.

Entry Requirements/Assumed Knowledge

Completion of a Bachelor degree (equivalent to a four year Australian tertiary qualification) in Engineering, Physics or other related area.

Course Requirements

Students must satisfactorily completed 96 credit points, consisting of:

- the Graduate Diploma in Technology Engineering (48 credit points)

- PLUS the course program of 48 credit points.

The course program requires students to satisfactorily complete:

- 12 credit points of common core subjects; and

- 36 credit points of subjects from the chosen major area of study.

The common core subject, ECTE906 Advanced Signals and Systems, must be completed in the first semester of enrolment. The common core subject, ECTE975 Communication and ICT Workplace Practice, must be satisfactorily completed in order for a student to be eligible to graduate.

Course Program

Note: Only a limited number of subjects will be offered in any one year.

Core Subjects

Following successful completion of the Graduate Diploma in Technology Engineering students are required to undertake the following subjects:

Subjects		Session	Credit Points
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE975	Communications and ICT Workplace Practice	Autumn/Spring	6

Digital Media Broadcasting Major

Students must complete six subjects (36 credit points) from the following list:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
CSCI968	Advanced Network Security	Autumn	6
ECTE955	Advanced Laboratory	Autumn/Spring	6
ECTE903	Image and Video Processing	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
CSCI946	Multimedia Content Management	Spring	6
ISIT951	Web Services and Service Oriented Architecture	Spring	6
ISIT937	Information Technology Security and Risk Management	n/o 2010	6

Internet Technology Major

Students must complete six subjects (36 credit points) from the following list:

ECTE982	Network Engineering	Autumn	6
CSCI968	Advanced Network Security	Autumn	6
ECTE992	Internet Networking Protocols	Autumn/Spring	6
ECTE956	Internet Technology Laboratory	Spring	6
ECTE962	Telecommunications Systems Modelling	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE986	Telecommunications Network Management	Spring	6
ISIT951	Web Services and Service Oriented Architecture	Spring	6
ISIT906	Information Design and Content Management	Spring	6
ISIT937	Information Technology Security and Risk Management	n/o 2010	6

Special Requirements

Students that have a degree equivalent to a four year Australian Bachelor degree specialising in Computer, Electrical, Electronics or Telecommunications Engineering will be eligible to have the requirement to complete the Graduate Diploma in Technology Engineering waived. These students will only need to complete the required course program of 48 credit points.

Graduate Diploma in Technology Engineering

Testamur Title of Degree:	Graduate Diploma in Technology Engineering
Abbreviation:	GDipTechEng
Home Faculty:	Informatics
Duration:	1 year full-time
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1606
CRICOS Code:	067073G

Overview

The Graduate Diploma in Technology Engineering provides a pathway into the Coursework Masters Program for students who have an undergraduate background that is not specifically in computer, electrical or telecommunications engineering.

Students will have the opportunity to gain generic skills and knowledge in the areas of:

- Database systems
- Digital hardware
- Power engineering
- Communications
- Internet engineering

Entry Requirements / Assumed Knowledge

A Bachelor degree in Engineering, Physics, IT or related areas (equivalent to a three year Australian tertiary qualification).

Course Requirements

Students are required to satisfactorily complete eight subjects (48 credit points) approved by the Head of School or their delegate.

The chosen program of study will be based on the student's undergraduate background, relevant work experience and selected from a range of first, second and third year subjects offered in the Bachelor of Engineering (Electrical, Computer or Telecommunications) program or degrees offered by other Schools in the Faculty of Informatics.

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics (School of Information Systems and Technology)
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 cp per year
Delivery Mode:	Face-to-face, or combination of face-to-face/distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	001244E

Overview

Doctor of Philosophy (PhD) candidates undertake in-depth research in order to make an original contribution to the body of knowledge in a chosen field of study. This qualification can lead to, or enhance, an academic career and is also highly regarded by public and private sector employers.

Entry Requirements / Assumed Knowledge

A four-year Honours Bachelor degree in Information and Communication Technology, (a minimum of Class II, Division 2 or higher), or a Master of Information and Communication Technology – Research degree with strong performance in the 48 credit point thesis, or equivalent.

Course Requirements

This program is 100% by thesis. Candidates enrol in a 48 credit point thesis subject and repeat the same enrolment for each year of study, usually over three years of full-time study. Students may be required to attend lectures in relevant topics from time to time throughout the program.

Current Research Areas

Systems & Technology

Aged care

Collaborative Systems

Customer Relationship Management

Database Systems

e-Business Applications

e-Commerce

e-Learning

Electronic health records

e-Manufacturing

Health Informatics (aged care, electronic health records)

Health record input systems

Information Management

Point-of-care solutions

Privacy Issues in EHRs

Radio Frequency Identification

Semantic Web

Supply Chain Management

Master of Information Systems and Technology - Research

Testamur Title of Degree:	Master of Information Systems and Technology - Research
Abbreviation:	MInfoSysTech - Res
Home Faculty:	Informatics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (face-to-face), or combination of supervised individual research
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1342
CRICOS Code:	042551K

Overview

This program is designed to provide students with sound practice in research methods appropriate to the study of information and communication technology applications, and to prepare students for Doctor of Philosophy (PhD) level research.

Entry Requirements / Assumed Knowledge

This is primarily a research degree for those who have completed an Honours Bachelor degree at a standard of Class II, Division 2 or higher, or a Masters by coursework in an appropriate discipline which includes a minor project worth at least 12 credit points or equivalent.

If a candidate has a good academic record, and has completed a minor project worth at least 12 credit points or equivalent, entry from a Pass Bachelor degree, Pass Bachelor degree and Graduate Diploma, or Pass Bachelor Degree and Graduate Certificate, is possible.

Credit Transfer Arrangements

Candidates with an Honours Bachelor degree at a standard of Class II, Division 2 or higher, or Masters by coursework degree, may be given exemption from all, or some, of the 24 credit points of coursework and admitted directly to the 48 credit point research thesis component. This is contingent on evidence of proven research experience.

Course Requirements

The degree is normally 72 credit points, consisting of a 48 credit point research thesis and 24 credit points of coursework. The program must be completed in a maximum time of two years full-time and requires satisfactory completion of the following:

1. ISIT940 Research Methods (6cp);
2. Three subjects (18cp) from the ISIT Graduate Subjects List to constitute a coherent introduction to the proposed area of research, as agreed to by the Head of School. (Note: students must achieve at least a WAM of 67.5% in the coursework component); and
3. 48 credit point thesis.

Course Program

Subjects		Session	Credit Points
ISIT940	Research Methods	Autumn/Spring	6
Plus 18 credit points of 900-level subjects offered in Information Systems to be approved by the Course Coordinator			
THES924	Thesis Full-time	Annual	48
THES912	Thesis Part-time		24

Candidates who fail to meet the requisite standard for the coursework component may have their enrolment cancelled. In this case, a candidate may be eligible to apply for credit transfer into a 48 credit point Masters by coursework degree.

A candidate may not include for this degree subjects similar in content to subjects included in their Honours or Masters. Each candidate shall have a supervisor and if appropriate a co-supervisor appointed on the recommendation of the Head of Postgraduate Studies (HPS) or the Head of School of Information Systems and Technology.

Current Research Areas

For areas of interest available to candidates undertaking the Master of Information Systems and Technology – Research, please refer to Current Research Areas under the Doctor of Philosophy entry from the School of Information Systems and Technology.

Master of Health Informatics

Testamur Title of Degree:	Master of Health Informatics
Abbreviation:	MHlthInfo
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1540
CRICOS Code:	046872E

Overview

Health services in Australia, as in most countries, are experiencing a surge of interest and investment in e-health. This program is designed to provide IT professionals with a better understanding of the specifics of health informatics and provide health professionals with a better understanding of IT within their industry.

The program aims to equip graduates with an understanding of the health sector, and of the application of relevant systems, in order to take on key roles in successful strategy development and health systems projects.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, with an average of at least 60%, in information technology, computer science or an ICT-related specialisation.

Applicants with a three-year degree in Health Science plus at least one year full-time (or part-time equivalent) employment in a position related to Health will be considered by the Faculty.

Course Requirements

Candidates must successfully complete eight (8) subjects, including:

1. Three (3) Core Subjects (18cp); and
2. Five (5) subjects (30cp) chosen from the list of electives below, or three subjects (18cp) plus ISIT998 IT Research Report (12cp).

Course Program

Subjects		Session	Credit Points
Core Subjects			
ISIT917	Business Intelligence and Knowledge Management	Autumn	6
ISIT929	Concepts and Issues in Healthcare Computing	Spring	6
ISIT930	Introduction to Health Informatics	Autumn	6
Elective Subjects			
Plus at least 30 credit points from the following:			
SHS 931	Public Health Communication & Data Skills	Autumn/Spring	6
SHS 940	Statistics in Health Research	Spring	6
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT940	IT Research Methods	Autumn/Spring	6
ISIT998	IT Research Report	Spring/Annual	12
INFO911	Data Mining and Knowledge Discovery	Spring	6
MCS9102	Information Systems	Autumn	6
MCS9201	Professional Practice & Ethics	Autumn	6

or any other subject approved by the Head of School or the Course Coordinator/s prior to commencement.
NOTE: Not all subjects may be available every year. In addition, an IT background is assumed for some of the listed electives. Students should consult with the course coordinator to ensure appropriate subjects chosen.

View alternate electives here.

Professional Recognition

The Master of Health Informatics is accredited by the Australian Computer Society as meeting requirements for membership at an "Associate Level".

Master of Health Leadership and Management

Testamur Title of Degree:	Master of Health Leadership and Management
Abbreviation:	MHlthLeadMgmt
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn, Spring, Summer
Delivery Mode:	On-campus (Face-to-face)
Location:	Wollongong
UOW Course Code:	1567
CRICOS Code:	059753E

Overview

This course is designed for practicing health professionals seeking to develop their management and leadership skills.

This flexible program allows students to select from a variety of Graduate Certificate degrees and tailor their Masters program to suit their professional development requirements.

Entry Requirements

Students can enter the Master of Health Leadership and Management degree via either of the pathways detailed below:

Applicants with a Bachelor degree of at least three years duration from a recognised tertiary institution or equivalent, together with a minimum of two years full-time relevant work experience will be admitted to the Master of Health Leadership and Management degree. Upon commencement of the degree, students will nominate two Graduate Certificate degrees within the course structure.

Alternatively, applicants may apply to enrol in one of the Graduate Certificate degrees listed within the MHLM course structure, provided they meet the entry requirements as specified for this Graduate Certificate by the relevant Faculty. Upon successful completion of the Graduate Certificate with an average mark of at least 60 per cent, students may apply to progress to the Master of Health Leadership and Management with credit for previous studies completed.

Course Requirements

The Master of Health Leadership and Management requires the successful completion of 48 credit points of subjects in accordance with two of the Graduate Certificates listed below. Students who enrol directly into the Master of Health Leadership and Management will be required to meet with the Course Co-ordinator and discuss which two of the graduate certificate programs will comprise the course.

Those students who enrol initially in one of the Graduate Certificate degrees listed below will be eligible to progress to the Master of Health Leadership and Management upon successful completion with an average mark of at least 60 per cent. Eligible candidates articulate to the Master of Health Leadership and Management and complete a further 24 credit points of subjects, based on one of the other graduate certificate programs listed below.

At least one of the graduate certificate programs must be chosen from those offered by the Faculty of Health and Behavioural Sciences. As leadership is a core component of this program, students must either complete the Graduate Certificate in Health Leadership and Management OR successfully complete the subject TBS903 Managing People in Organisations within one of the other Graduate Certificates.

Faculty of Health and Behavioural Sciences

Graduate Certificate in Health Leadership and Management

Graduate Certificate in Health Practice Development and Facilitation

Graduate Certificate in Health Research

Sydney Business School

Graduate Certificate in Business Administration

Graduate Certificate in Logistics

Graduate Certificate in Management

Faculty of Informatics

To be advised.

Course structures for individual Graduate Certificate degrees can be found in the relevant Faculty's Handbook.

Credit

Candidates must successfully complete a total of 48 credit points across two graduate certificates; no credit will be granted for subjects completed in the first graduate certificate degree toward the second graduate certificate. Students who successfully complete one of the Graduate Certificate programs listed in the course requirements with an average mark of at least 60 per cent may apply to progress to the MHLM and receive credit for 24 of the 48 credit points required for the Masters.

Further Information

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Master of Information and Communication Technology

Testamur Title of Degree:	Master of Information and Communication Technology
Abbreviation:	MICT
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong; INTI College, Sarawak, Malaysia
UOW Course Code:	581_2
CRICOS Code:	009250J

Overview

The MICT and MICT(Adv) are designed to meet the needs of both the ICT industry and of a diverse cohort of students. Students with a strong technical background can do majors which focus on managerial skills that will assist them to be promoted within their company or to seek higher positions in other companies. Students with less developed technical skills can choose a major to strengthen those skills, making them far more employable both in Australia and overseas. Various combinations of the technical and managerial majors allow student to get a broad set of skills that are highly employable. In addition, the degrees provide an excellent pathway to a future in research, such as doing a PhD. By choosing a set of majors wisely, students can prepare themselves for almost any future in the ICT industry or academia.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, with a 60% average, in an area related to ICT (eg Information Systems, Information Technology, Computer Science) or

A Graduate Diploma in IS or IT from the University of Wollongong with an average mark of 60% or

A Master of Information Technology Studies from the University of Wollongong with and average mark of 60%.

Credit Transfer

Students who have successfully completed the Master of Information and Communication Technology may apply to enter the MICTAdv.

Course Requirements

The degree requires satisfactory completion of 900 level subjects to the value of at least 48 credit points, including:

1. a) at least two of the four (4) core subjects below, which must include ISIT900:

Subject		Session	Credit Points
ISIT900	Fundamentals of Contemporary Technologies	Autumn/Spring	6
ISIT903	Enterprise Architecture Design	Autumn	6
ISIT904	Systems Integration	Spring	6
ISIT946	Project and Change Management	Spring	6

b) At least 18cp of subjects selected from the ISIT Graduate Subjects List;

c) i) A maximum of three (3) subjects (18cp) at 900-level may be taken from the following subject prefixes CSCI, MCS, MATH, STAT, ECTE or TBS. (Note that quotas may apply to TBS subjects offered at the Sydney Business School.)

ii) a maximum of six (6) subjects (36cp) with an MTS prefix

iii) Any other 900-level subjects must be approved by the Head of School prior to commencing the subject.

2. To be awarded with a single major, a candidate shall satisfactorily complete 36cp of subjects as set out in the relevant programs below, while still complying with requirement 1(b) and 1(c) above.
3. This degree may be completed without attempting a major area of study.
4. Students who do not attempt a major will require additional credit points to satisfy rules b) and c). These may be taken either:

   i) from one of the recommended programs of study (24 cp) plus 12 cp of other subjects from the ISITGraduate Subjects List or

   ii) as 36 cp of other subjects from the ISIT Graduate Subjects List.

Areas of Major Study

Candidates enrolled in this degree may choose to major in:

- IT Strategic Planning
- Enterprise Networking
- Information Systems Development

ICT Strategic Planning Major

A total of 36 cp, at least 18 cp from the following and up to 18 cp of TBS subjects

ISIT905	Technology Management and Innovation	6	Not on offer 2010
ISIT916	Organisational Issues in IT	6	Autumn
ISIT917	Business Intelligence and Knowledge Management	6	Autumn
ISIT901	IS Strategic Planning	6	Spring
ISIT906	Information Design and Content Management	6	Spring
ISIT908	IT Governance	6	Spring

Enterprise

Networking Major

A total of 36 cp chosen from the following

ISIT905	Technology Management and Innovation	6	Autumn
ISIT909	Advanced BPM	6	Autumn
ISIT918	Strategic Network Management	6	Autumn
ISIT937	IT Security & Risk Mgmt	6	Not on offer 2010
ISIT938	e-Business Technology	6	Autumn
ISIT910	IT-enabled Supply Chain Management	6	Not on offer 2010
ISIT925	Strategic Network Design	6	Spring
ISIT951	Web Services and SOA	6	Spring

Information Systems Development Major

A total of 36 cp selected from the following

ISIT950	Systems Development Methodologies	6	Autumn
MTS9201	Information & Communication Security Issues	6	Spring
MTS9204	Principles of e-Business	6	Autumn
MTS9207	Web Programming 1	6	Spring
MTS9218	System Design & Human Computer Interaction	6	Autumn
MTS9311	Database Management Systems	6	Autumn
MTS9332	Business Process Management	6	Spring
MTS9306	Strategic e-Business Solutions	6	Autumn
	Either one of the following:		
MTS9318	Information Systems Project	12	Annual
MTS9351	Information Technology Project	12	Annual

Programs of Study

- Health Informatics
- ICT Research

Health Informatics program of study consists of all of the following 24 cp:

ISIT906	Information Design & Content Management	6	Spring
ISIT917	Business Intelligence & Knowledge Management	6	Autumn
ISIT929	Concepts & Issues in Healthcare Computing	6	Spring
ISIT930	Introduction to Health Informatics	6	Autumn

ICT Research Programs of Study consists of all of the following 24 cp:

ISIT999	ICT Research Project	18	Annual
ISIT940	Research Methods	6	Autumn/Spring

Professional Recognition

The Master of Information and Communication Technology is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

Master of Information and Communication Technology Advanced

Testamur Title of Degree:	Master of Information and Communication Technology Advanced
Abbreviation:	MICTAdv
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1609
CRICOS Code:	067074F

Overview

This degree is designed to meet the needs of both the ICT industry and of a diverse cohort of students. Students with a strong technical background can do majors which focus on managerial skills that will assist them to be promoted within their company or to seek higher positions in other companies. Students with less developed technical skills can choose a major to strengthen those skills, making them far more employable both in Australia and overseas. Various combinations of the technical and managerial majors allow students to get a broad set of skills that are highly employable. In addition, the degrees provide an excellent pathway to a future in research, such as doing a PhD. By choosing a set of majors wisely, students can prepare themselves for almost any future in the ICT industry or academia.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, with a 60% average, in an area related to ICT (eg Information Systems, Information Technology, Computer Science) OR

A Graduate Diploma in IS or IT from the University of Wollongong with an average mark of 60%.

Credit Transfer Arrangements

The MICT at UOW provides credit towards the MICTAdv.

Also, MICTAdv students may choose to exit early with a MICT if they fulfil the requirements of that degree.

Course Requirements

1) The degree requires satisfactory completion of 900 level subjects to the value of at least 96 credit points, including:

a) four (4) core subjects (24cp):

Core Subjects		Session	CP
ISIT900	Fundamentals of Contemporary Technologies	Autumn/Spring	6
ISIT903	Enterprise Architecture Design	Autumn	6
ISIT904	Systems Integration	Spring	6
ISIT946	Project and Change Management	Spring	6

b) at least 54cp of subjects selected from the ISIT Graduate Subjects List;

i) A maximum of three (3) subjects (18 cp) at 900-level may be taken from the following subject prefixes: CSCI, MCS, MATH, STAT, ECTE or TBS. (Note that quotas may apply to TBS subjects offered at the Sydney Business School.)

ii) a maximum of 36cp of subjects with an MTS prefix.

iii) Any other 900-level subjects must be approved by the Head of School prior to commencing the subject.

2) To be awarded with a single major, a candidate shall satisfactorily complete 36 cp of subjects as set out in the relevant programs below, while still complying with requirements 1(b) and 1(c) above.

3) To be awarded with a double major, candidates must ensure that the 36cp of subjects selected satisfy the requirements of one major and that a separate set of 36cp of 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) Students attempting only a single major will require additional credit points to satisfy rules b) and c). These may be taken either

i) from one of the recommended programs of study (24 cp) plus 12 cp of other subjects from the ISIT Graduate Subjects List or

ii) as 36 cp of other subjects from the ISIT Graduate Subjects List.

5) This degree may not be completed without attempting a major area of study i.e. at least 1 major must be completed.

Areas of Major Study

Candidates enrolled in this degree may choose to major in:

- ICT Strategic Planning
- Enterprise Networking
- Information Systems Development

ICT Strategic Planning Major

A total of 36 cp, at least 18 cp from the following and up to 18 cp of TBS subjects

ISIT905	Technology Management & Innovation	6	Autumn
ISIT916	Organisational Issues & IT	6	Autumn
ISIT917	Business Intelligence & Knowledge Management	6	Autumn
ISIT901	IS Strategic Planning	6	Spring
ISIT906	Information Design & Content Management	6	Spring
ISIT908	IT Governance	6	Spring

Enterprise Networking Major

A total of 36 cp chosen from the following:

ISIT905	Technology Management & Innovation	6	Autumn
ISIT909	Advanced Business Process Management	6	Autumn
ISIT918	Strategic Network Management	6	Autumn
ISIT937	IT Security & Risk Management	6	Autumn
ISIT938	e-Business Technology	6	Autumn
ISIT910	IT-enabled Supply Chain Management	6	Spring
ISIT925	Strategic Network Design	6	Spring
ISIT951	Web Services and Service Oriented Architecture	6	Spring

Information Systems Development Major

A total of 36 cp chosen from the following:

ISIT950	Systems Development Methodologies	6	Autumn
MTS9201	Information & Communication Security	6	Spring
MTS9204	Principles of e-Business	6	Autumn
MTS9207	Web Programming 1	6	Spring
MTS9218	Systems Design & Human Computer Interaction	6	Autumn
MTS9311	Database Management Systems	6	Autumn
MTS9332	Business Process Management	6	Spring
MTS9306	Strategic e-Business Solutions	6	Autumn
	Either one or other of the following:		
MTS9318	Information Systems Project	12	Annual
MTS9351	Information Technology Project	12	Annual

Programs of Study

- Health Informatics
- ICT Research

Health Informatics program of study

Consists of all of the following 24 cp:

ISIT906	Information Design & Content Management	6	Spring
ISIT917	Business Intelligence & Knowledge Management	6	Autumn
ISIT929	Concepts & Issues in Healthcare Computing	6	Spring
ISIT930	Introduction to Health Informatics	6	Autumn

ICT Research program of study

Consists of all of the following 24 cp:

ISIT999	ICT Research Project	18	Annual
ISIT940	IT Research Methods	6	Autumn/Spring

Professional Recognition

The Master of Information and Communication Technology Advanced is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

Master of Information Systems

Testamur Title of Degree:	Master of Information Systems
Abbreviation:	MInfoSys
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring/Summer
Location:	Wollongong
UOW Course Code:	1534
CRICOS Code:	031281G

Overview

The Master of Information Systems degree specialising in Information Systems provides graduates with the opportunity to study advanced topics in information systems and to undertake a research project in one of the areas of research interest in the Information Systems Discipline. The program aims to both deepen and broaden the knowledge and skills of students in systems development methodologies, systems management, electronic commerce and a selected area of Information Systems research.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, with a 60% average, in an area related to Information and Communication Technology (eg Information Systems, Information Technology, Computer Science).

Course Requirements

The degree requires the satisfactory completion of 900 level subjects to the value of at least 48 credit points (see below). Consisting of:

a) Five (5) core subjects (36 credit points)

b) Two (2) subjects (12 credit points) selected from Graduate Subject List.

Core Subjects

Subject		Session	Credit Points
ISIT900	Fundamentals of Contemporary Technology	Autumn/Spring	6
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT945	Information Systems Project	Annual	12
ISIT946	Project and Change Management	Spring	6
ISIT950	Systems Development Methodologies	Autumn	6

Graduate Subject List

Subject		Session	Credit Points
ISIT903	Enterprise Architect Design	Autumn	6
ISIT904	Systems Integration	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT906	Information Design and Content Management	Spring	6
ISIT908	IT Governance	Spring	6
ISIT909	Advanced Business Process Management	Spring	6
ISIT910	IT-Enabled Supply Chain Management	Spring	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6

Professional Recognition

The Master of Information Systems degree has been accredited, by the Australian Computer Society, for membership at a 'Professional' level.

Master of Information Technology Studies

Testamur Title of Degree:	Master of Information Technology Studies
Abbreviation:	MITS
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Spring
Location:	Wollongong
UOW Course Code:	1610
CRICOS Code:	067076D

Overview

This course is primarily a re-training degree, intended to give graduates from other disciplines the core skills required by an IT or IS practitioner. The 8 core subjects, which make up the MITS, give students the fundamental skills of Information Systems development.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree.

Credit Transfer Arrangements

The Master of Information Technology Studies from UOW will provide credit towards the Master of Information Technology Studies Advanced.

Course Requirements

The degree requires the satisfactory completion of 900 level subjects to the value of at least 48 credit points. Students must select 8 of the following:

Subject Code	Subject Name	Credit Points	Session
MTS9100	Systems Analysis	6	Spring
MTS9111	Programming Concepts	6	Spring
MTS9112	Database	6	Spring
MTS9114	Object Oriented Programming	6	Spring#
MTS9207	Web Programming I	6	Spring
MTS9105	Communications & Networks	6	Autumn
MTS9204	Principles of e-Business	6	Autumn
MTS9206	Web Technologies	6	Autumn
MTS9218	System Design & Human Computer Interaction	6	Autumn

not recommended for students without a programming background.

Professional Recognition

Accreditation by the Australian Computer Society for membership at a 'Associate level' for the Master of Information Technology Studies has been approved.

Master of Information Technology Studies Advanced

Testamur Title of Degree:	Master of Information Technology Studies Advanced
Abbreviation:	MITSAdv
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Spring
Location:	Wollongong
UOW Course Code:	1611
CRICOS Code:	067077C

Overview

The course is primarily a re-training degree, intended to give graduates from other disciplines the core skills required by an IT or IS practitioner. The 11 core subjects which make up the MITS(Adv) give students the fundamental skills of Information Systems development. The MITS(Adv) also gives students the opportunity to specialise via one of three programs of study. The Enterprise Systems Management program of study is intended for graduates seeking an ICT management role or intending to undertake further study at Masters level.

Credit Transfer Arrangements

Students articulating from the Master of Information Technology Studies Advanced to the Master of Information & Communication Technology (MICT) or Master of Information & Communication Technology Advanced (MICTAdv) may be eligible for up to 18cp of credit transfer. Students should note the following constraints on this credit transfer:

i) if students use up to 18 cp of MTS subjects towards to MICT or MICTAdv they will not be eligible for the major in Information Systems Development in the or MICT or MICTAdv;

ii) if students undertake the Enterprise Systems Management program in MITS, they may use up to 18cp of ISIT subjects towards the MICT or MICTAdv. However, they must NOT take more than 3 subjects from the core of that program (ie of the MICT core). If a student had done 4 subjects from the MICT core while completing the MITS he or she would not be able to count the fourth subject and so would not be able to complete one of the requirements of the MICT or MICT(Adv).

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree.

Course Program

The Master of Information Technology Studies Advanced requires satisfactory completion of 96 credit points (cp). Consisting of:

1. 11 core subjects (72 cp). Chosen from the following:

Subject Code	Subject Name	Credit Points	Session
MTS9111	Programming Concepts	6	Spring
MTS9100	Systems Analysis	6	Spring
MTS9112	Database	6	Spring
MTS9114	Object Oriented Programming	6	Spring
MTS9207	Web programming	6	Spring
MTS9105	Communications & networks	6	Autumn
MTS9204	Principles of e-Business	6	Autumn
MTS9218	System Design & Human Computer Interaction	6	Autumn
MTS9301	Professional Practice and Ethics	6	Autumn
MTS9311	Database Management Systems	6	Autumn
	Plus one of the following:		
MTS9318	Information Systems Project	12	Annual
MTS9351	Information Technology Project	12	Annual

2. A program of study (24 cp). Chosen from the following:

E-Business Program of Study 24 cp: A total of FOUR (4) subjects as specified below:

Code	Subject	Credit Points	Session
MCS9206	Markup languages	6	Autumn
MTS9208	Strategic Systems Management	6	Spring
MTS9306	Strategic e-Business Solutions	6	Autumn
MTS9332	Business Process Management	6	Spring

Networking Program of Study 24 cp: A total of FOUR (4) subjects as specified below:

Code	Subject	Credit Points	Session
MTS9201	Information & Communication Security Issues	6	Spring
MTS9212	Corporate Network Planning & Design	6	Spring
MCS9322	Systems Administration	6	Spring
MTS9302	Corporate Network Management	6	Autumn

Enterprise Systems Management Program of Study 24cp: A total of FOUR (4) subjects as specified below:

NB. This program is only recommended for students with work experience in the ICT industry. Students attempting this program should only begin this program in the second year of the degree.

Code	Subject	Credit Points	Session
	Up to 3 of the following core subjects		
ISIT900	Fundamentals of Emerging Technologies	6	Autumn
ISIT903	Enterprise Architecture Design	6	Autumn
ISIT904	Systems Integration	6	Spring
ISIT946	Project and Change Management	6	Spring
	Plus up to 4 of the following:		
ISIT901	IS Strategic Planning	6	Spring

ISIT905	Technology Management & Innovation	6	Not on offer 2010
ISIT906	Information Design & Content Management	6	Spring
ISIT908	IT Governance	6	Spring
ISIT909	Advanced BPM	6	Spring
ISIT910	IT-enabled Supply Chain Management	6	Not on offer 2010
ISIT916	Organisational issues in IT	6	Autumn
ISIT917	Business Intelligence & Knowledge Management	6	Autumn
ISIT924	Simulation and Modelling	6	Spring
ISIT925	Strategic Network Design	6	Spring
ISIT937	IT Security and Risk Management	6	Not on offer 2010
ISIT938	e-Business Technologies	6	Autumn
ISIT951	Web Services and SOA	6	Spring

Professional Recognition

Accreditation by the Australian Computer Society for membership at a 'Professional level' for the Master of Information Technology Studies Advanced has been approved.

Master of Information Technology Management

Testamur Title of Degree:	Master of Information Technology Management
Abbreviation:	MITM
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong/ offshore#
UOW Course Code:	1509
CRICOS Code:	031283E

By request.

Overview

The organisational challenge of introducing and managing information technology is daunting. Today's business requires IT strategic planning to be an integral part of the organisation's strategic plan.

This degree is aimed primarily at professionals who wish to progress upwards or broaden their career opportunities in the ICT industry, and covers both IT strategic planning and implementation and organisational management.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with at least a 60% average in an area related to ICT (eg Computer Science, Information Technology, Business Information Systems, Computer Engineering, Electrical Engineering, and Telecommunications Engineering).

Applicants with a degree in any area plus at least one year full-time employment in the ICT industry will be considered.

Students with an average mark of at least 60% in their three-year Bachelor degree, but with little or no background in IT, may be considered. Under special circumstances, applicants with other academic or professional qualifications, plus a minimum of five years full-time (or 10 years part-time) work experience in the ICT industry, may be considered by the Faculty.

Course Requirements

Candidates must successfully complete eight subjects, including:

1. Four subjects from Group A; and
2. Four subjects from Group B.

Group A: At least 24 cp of coursework taken from:

Subjects	Session	Credit Points
ISIT900	Fundamentals of Contemporary Technologies	6
ISIT901	Information Systems Strategic Planning	6
ISIT903	Enterprise Architecture Design	6
ISIT904	Systems Integration	6
ISIT905	Technology Management and Innovation★ (Not available 2010)	6
ISIT906	Information Design and Content Management	6
ISIT908	Information Technology Governance★	6

ISIT909	Advanced Business Process Management	6
ISIT910	IT-enabled Supply Chain Management	6
ISIT916	Organisational Issues in Information Technology	6
ISIT917	Business Intelligence and Knowledge Management	6
ISIT918	Strategic Network Management	6
ISIT932	Special Topics in IS and IT B	6
ISIT937	Information Technology Security and Risk Management	6
ISIT946	Project and Change Management	6

*these subjects appear in BOTH Group A & B subject lists. They can NOT be counted to fulfil requirements for both lists.

Group B Either of the following

ISIT905	Technology Management and Innovation*	6
OR		
ISIT908	IT Governance*	6

Plus At least 18 cp of coursework taken from:

MARK901	Internet Applications for Marketing	6
TBS 901	Accounting for Managers	6
TBS 902	Statistics for Decision Making	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6
TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain Management	6
TBS 913	Innovation Topics & Cases	6
TBS 920	International Business Strategy	6
TBS 950	Quality in Management	6
TBS 981	Managing in Multinational Companies	6

Or any other subject approved by the Head of School, prior to commencement

NB: TBS subjects are offered by the University of Wollongong Sydney Business School. Start dates differ from the standard University Calendar. Quotas may apply to TBS subjects offered at the Sydney Business School.

Credit Arrangements

Upon successful completion of the MITM, students who meet the Master of Business Administration (MBA) entry requirements may apply to enrol in the MBA degree and, if successful, will be required to complete a further six (6) specified subjects (36 credit points) as determined by the MBA co-ordinator.

Upon successful completion of the MITM, students may apply to enrol in MICT, MICTAdv only if they satisfy the requirements for the specific degree. It should be noted that all these degrees require an average mark of 65% in either an undergraduate degree in ICT or the Graduate Diploma in Information Systems & Technology from UOW.

Professional Recognition

The Master of Information Technology Management is accredited by the Australian Computer Society as meeting requirements for membership at an "Associate Level".

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics (School of Mathematics and Applied Statistics)
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 cp per year
Delivery Mode:	On Campus (Supervised individual research)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	001244E

Overview

Doctor of Philosophy (PhD) candidates undertake in-depth research in order to make an original contribution to the body of knowledge in mathematical or statistical studies. This qualification can lead to, or enhance, an academic career and is highly regarded by private and public sector employers.

Entry Requirements / Assumed Knowledge

A four-year Honours Bachelor degree in any relevant area of Mathematics or Statistics (Class II, Division 2 or higher); or a Master of Science – Research (Mathematics) or (Statistics) with a strong performance in the 48 credit point thesis, or equivalent.

Course Requirements

This program is 100% by thesis (carrying weighting of 48 credit points per year). Students may be required to attend lectures in relevant topics on occasion throughout the program.

Current Research Areas

Please refer to staff web pages at www.math.uow.edu.au for current research areas.

Other Information

It is possible to downgrade enrolment from a PhD to a Master of Science - Research, with the permission of the Head of School.

Master of Science - Research (Mathematics)

Testamur Title of Degree:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Informatics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face) and Supervised individual research
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1345
CRICOS Code:	042542M

Overview

This program is designed to consolidate and expand students' knowledge at an advanced level in their area of interest in mathematics. The degree will provide students with the skills required for sound practice in mathematics research in preparation for doctoral level research.

Entry Requirements / Assumed Knowledge

This is primarily a research degree for those who have completed an Honours Bachelor degree at a standard of Class II, Division 2 or higher in Mathematics, or an equivalent Masters by coursework degree in Mathematics.

Entry from a relevant Pass Bachelors degree, or Pass Bachelor degree and Graduate Diploma, with a very good academic record is also possible.

Credit Transfer Arrangements

Candidates with an Honours Bachelor degree at a standard of Class II, Division 2 or higher, or an equivalent Masters by coursework degree, may be given exemption from all, or some, of the 24 credit points of coursework.

Course Requirements

The degree is normally 72 credit points, consisting of a 48 credit point research thesis and 24 credit points of coursework. The program must be completed in a maximum time of two (2) years full-time (or four (4) years part-time) and requires satisfactory completion of the following:

1. 24 credit points of subjects chosen from the 900-level Mathematics subjects listed below, which together provide research skills and competencies required to complete a research project in Mathematics.
2. 48 credit point thesis.

The registration of a candidate will be subject to termination if that candidate fails subjects to the total value of 18 or more credit points.

Each candidate shall have a supervisor appointed on the recommendation of the Head of Postgraduate Studies.

900-Level Mathematics Subjects

Subjects		Session	Credit Points
INFO911	Data Mining and Knowledge Discovery	Spring	6
INFO912	Mathematics for Cryptography	Autumn	6
MATH902	Solution of Differential Equations by One-Parameter Groups	Autumn	6
MATH971	Advanced Topics in Applied Mathematics A	Autumn	6
MATH972	Advanced Topics in Applied Mathematics B	Autumn/Spring	6
MATH973	Advanced Topics in Pure Mathematics A	Autumn/Spring	6
MATH974	Advanced Topics in Pure Mathematics B	Spring	6
MATH980	Preliminary Topics in Mathematics A	Autumn	6
MATH981	Preliminary Topics in Mathematics B	Spring	6

MATH982	Preliminary Topics in Mathematics C	Autumn	6

Note the content of the subjects MATH971, MATH972, MATH973, MATH974, MATH980, MATH 981 and MATH 982 may vary each year. However, each year it will be possible to specialize in either applied mathematics or pure mathematics.

A list of topics that will be covered within each of the above subjects will be available in the subject database each year. These topics will include those offered by UOW staff, those from the Australian Mathematical Sciences Institute Summer and Winter graduate schools and classes available remotely, via the School's access grid room.

Current Research Areas

For areas of research available to candidates undertaking the Master of Science – Research (Mathematics), please refer to staff web pages at www.math.uow.edu.au.

Other Information

Before the award Master of Science - Research (Mathematics) is conferred on a candidate who holds a testamur of the University of Wollongong for the degree of Master of Mathematics the candidate shall surrender the testamur and the corresponding rights to the degree of Master of Mathematics.

It is possible to upgrade enrolment from a Master of Science – Research to a PhD, in certain circumstances. Consult the HDR Handbook: Course Transfers for more information.

Master of Science - Research (Statistics)

Testamur Title of Degree:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Informatics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face) and Supervised individual research
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1345
CRICOS Code:	042542M

Overview

This program is designed to consolidate and expand students' knowledge at an advanced level in their area of interest in statistics. The degree will further enhance the analytical and communication skills required by a professional statistician, as well as provide students with the skills required for sound practice in statistics research in preparation for doctoral level research.

Entry Requirements / Assumed Knowledge

This is primarily a research degree for those who have completed an Honours Bachelor degree at a standard of Class II, Division 2 or higher in Statistics, or an equivalent Masters by coursework degree in Statistics.

Entry from a relevant Pass Bachelor degree, or Pass Bachelor degree and Graduate Diploma, with a very good academic record is also possible.

Course Requirements

The degree is normally 72 credit points, consisting of a 48 credit point research thesis and 24 credit points of coursework. The program must be completed in a maximum time of two years full-time (or four years part-time) and requires satisfactory completion of the following:

1. 24 credit points of subjects chosen from the 900-level Statistics subjects listed below, which together provide research skills and competencies required to complete a research project in Statistics.
2. 48 credit point thesis.

The registration of a candidate will be subject to termination if that candidate fails subjects to the total value of 18 or more credit points.

Each candidate shall have a supervisor appointed on the recommendation of the Head of Postgraduate Studies.

900-Level Statistics Subjects

Subjects		Session	Credit Points
STAT901	Modern Inference	Autumn	6
STAT902	Advanced Data Analysis	Autumn	6
STAT903	Survey Design and Analysis	Spring	6
STAT904	Statistical Consulting	Spring	6
STAT905	Time Series	n/o 2010	6
STAT906	Experimental Design	Autumn	6

STAT920	Stochastic Methods in Finance	Autumn	6
STAT971	Preliminary Topics in Statistics A	Autumn	6
STAT972	Preliminary Topics in Statistics B	Autumn/Spring	6
STAT981	Advanced Topics in Statistics A	Autumn	6
STAT982	Advanced Topics in Statistics B	Spring	6
STAT983	Advanced Topics in Statistics C	Autumn	6

Note the content of the subjects STAT971, STAT972, STAT980, STAT981 and STAT982 may vary each year. A list of topics that will be covered within the above subjects in a particular year will be available on the subject database. These topics include those offered by UOW staff, those from the Australian Mathematical Sciences Institute Summer and Winter graduate schools and classes available remotely, via the School's access grid room.

Current Research Areas

For areas of research available to candidates undertaking the Master of Science – Research (Statistics), please refer to staff web pages at www.math.uow.edu.au.

Other Information

Before the award Master of Science - Research (Statistics) is conferred on a candidate who holds a testamur of the University of Wollongong for the degree of Master of Statistics; the candidate shall surrender the testamur and the corresponding rights to the degree of Master of Statistics.

It is possible to upgrade enrolment from a Master of Science – Research to a PhD, in certain circumstances. Consult the HDR Handbook: Course Transfers for more information.

Master of Mathematics

Testamur Title of Degree:	Master of Mathematics
Abbreviation:	MMath
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	586
CRICOS Code:	012130B

Overview

This program is designed to consolidate and expand the mathematics knowledge gained by a student in an undergraduate program and to develop skills in undertaking mathematical research projects.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with a major in a relevant area of Mathematics, or equivalent. Applicants with a tertiary qualification containing a minimum of two (2) years of mathematics may be considered.

Course Requirements

The degree will normally occupy two (2) sessions of full-time study or four (4) sessions of part-time study, and requires satisfactory completion of at least 48 credit points, as set out in the following course program.

The registration of a candidate will be subject to termination if that candidate fails subjects to the total value of 18 or more credit points.

Each candidate shall have a supervisor appointed on the recommendation of the Head of Postgraduate Studies.

Candidates must complete one of MATH990 or MATH991, plus further subjects to make a total of 48 credit points. Apart from MATH990 and MATH991, further subjects may be chosen from the course program listed below. The final program is subject to the approval of the Head of Postgraduate Studies.

Course Program

Subjects		Session	Credit Points
MATH902	Solution of differential equations by one parameter groups	Autumn	6
MATH990	Minor Project	Autumn/Spring	6
Or, with the approval of the Head of Postgraduate Studies, candidates may replace MATH990 with:			
MATH991	Project	Annual	12
Plus at least 42 credit points (or 36 credit points if MATH991 is undertaken) chosen from the following list, as approved by the Head of Postgraduate Studies:			
INFO911	Data Mining and Knowledge Discovery	Spring	6

INFO912	Mathematics for Cryptography	Autumn	6
MATH971	Advanced Topics in Applied Mathematics A	Autumn	6
MATH972	Advanced Topics in Applied Mathematics B	Spring	6
MATH973	Advanced Topics in Pure Mathematics A	Autumn	6
MATH974	Advanced Topics in Pure Mathematics B	Spring	6
MATH980	Preliminary Topics in Mathematics A	Autumn	6
MATH981	Preliminary Topics in Mathematics B	Spring	6
MATH982	Preliminary Topics in Mathematics C	Autumn	6

Or any other 900-level subjects offered by the School of Mathematics and Applied Statistics, as approved by the Head of School and/or Head of Postgraduate Studies.

Note the content of the subjects MATH971, MATH972, MATH973, MATH974, MATH980, MATH 981 and MATH 982 may vary each year. However, each year it will be possible to specialise in either applied mathematics or pure mathematics.

A list of topics that will be covered within the above subjects in any one year will be available in the subject database towards the end of each preceding year. These subjects include those offered by UOW staff, those from the Australian Mathematical Sciences Institute Summer and Winter graduate schools and classes available remotely, via the School's access grid room.

In exceptional circumstances and subject to approval by the Head of Postgraduate Studies, up to two 6 credit point subjects may be replaced by 900-level subjects of the same value offered by Units other than the School of Mathematics and Applied Statistics.

Other Information

Students who satisfactorily complete the Masters degree are eligible to apply for entry to the Master of Science - Research (Mathematics).

Master of Statistics

Testamur Title of Degree:	Master of Statistics
Abbreviation:	MStat
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	575
CRICOS Code:	016121D

Overview

This program is designed to upgrade statistical skills, and to educate the candidate to undertake advanced statistical work in industry, commerce or government, including the ability to communicate effectively with the users of their skills.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with a major in Statistics (or a Graduate Diploma in Statistics), or equivalent. Applicants with a tertiary qualification containing a minimum of two years of statistics may be considered.

Course Requirements

The degree will normally occupy two (2) sessions of full-time study or four (4) sessions of part-time study, and requires satisfactory completion of at least 48 credit points, as set out in the following course program.

The registration of a candidate will be subject to termination if that candidate fails subjects to the total value of 18 or more credit points.

Each candidate shall have a supervisor appointed on the recommendation of the Head of Postgraduate Studies.

Course Program

Subjects		Session	Credit Points
STAT990	Minor Project	Autumn/Spring	6
or, with the approval of the Head of Postgraduate Studies, candidates may replace STAT990 with:			
STAT991	Project	Annual	12

Electives

Plus at least 42 credit points (or 36 credit points if STAT991 is undertaken) chosen from the following list, as approved by the Head of Postgraduate Studies:

STAT901	Modern Inference	Autumn	6
STAT902	Advanced Data Analysis	Autumn	6
STAT903	Survey Design and Analysis	Spring	6
STAT904	Statistical Consulting	Spring	6
STAT905	Time Series	n/o 2010	6
STAT906	Experimental Design	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6
STAT971	Preliminary Topics in Statistics A	Autumn	6
STAT972	Preliminary Topics in Statistics B	Autumn/Spring	6
STAT981	Advanced Topics in Statistics A	Autumn	6
STAT982	Advanced Topics in Statistics B	Spring	6
STAT983	Advanced Topics in Statistics C	Autumn	6

Or any other 900-level subjects offered by the School of Mathematics and Applied Statistics, as approved by the Head of Postgraduate Studies.

Note the content of the subjects STAT971, STAT972, STAT980, STAT981 and STAT982 may vary each year. A list of topics that will be covered within the above subjects in a particular year will be available on the subject database. These topics include those offered by UOW staff, those from the Australian Mathematical Sciences Institute Summer and Winter graduate schools and classes available remotely, via the School's access grid room.

In exceptional circumstances and subject to approval by the Head of Postgraduate Studies, up to two 6 credit point subjects may be replaced by other 900-level subjects of the same or greater value.

Other Information

Students who satisfactorily complete the Masters degree are eligible to apply for entry to the Masters of Science – Research (Statistics).

Master of Financial Mathematics

Testamur Title of Degree:	Master of Financial Mathematics
Abbreviation:	MFinMath
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1548
CRICOS Code:	050301F

Overview

To provide students with a first degree in areas such as mathematics, finance, economics, business, engineering or science with training in quantitative financial analysis and a range of analytical, statistical, computational and modelling skills needed for the formulation, implementation and evaluation of models in the financial sector to structure transactions, evaluate financial derivatives, manage risk and construct investment strategies.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with a major in mathematics or statistics.

Applicants with other three-year degrees will be considered if they possess a substantial background in mathematics (including calculus, linear algebra, differential equations, probability and statistics) equivalent to at least a second-year Bachelor level.

Course Requirements

The degree will normally occupy two (2) sessions of full-time study or four (4) sessions of part-time study, and requires satisfactory completion of at least 48 credit points, as set out in the following course program.

Course Program

Subjects		Session	Credit Points
FIN921	Managerial Finance	Autumn/Spring	6
MATH941	Financial Calculus	Autumn	6
MATH942	Numerical Methods in Finance	Spring	6
MATH943	Practitioners' Seminars	Annual	0

STAT920	Stochastic Methods in Finance	Autumn	0
STAT921	Linear and Generalised Linear Models	Spring	6
and			
FIN920	Advanced Risk and Insurance	Spring	6
or			
FIN926	Advanced Managerial Finance	Spring	6

Plus one STAT and one FIN subject chosen from:

STAT922	Statistical Inference	Spring	6
STAT923	Applied Probability & Financial Risk	Autumn	6
FIN 922	Investment Management	Autumn	6
FIN 923	Portfolio Management	Spring	6

Professional Recognition

All graduates of this program satisfy the education requirements for Senior Associate membership of the Financial Services Institute of Australasia. (Senior Associate membership requires three years practical experience as well as the educational component).

Master of Mathematical Studies

Testamur Title of Degree:	Master of Mathematical Studies
Abbreviation:	MMathStud
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1620
CRICOS Code:	068541J

Overview

The Master of Mathematical Studies is designed for candidates who have an existing degree with at least first year mathematics. It is intended for candidates wishing to update and broaden their mathematical and/or statistical training at Bachelor level. This program is designed to consolidate and expand the mathematics knowledge gained by a student in an undergraduate program and to develop skills in undertaking mathematical research projects.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with at least one year of mathematics.

Course Requirements

The degree will normally occupy two (2) sessions of full-time study or four (4) sessions of part-time study, and requires satisfactory completion of at least 48 credit points of Group A and B subjects, as set out in the list below. Candidates must complete at least 24cp of group B subjects. Entry into MATH990 or STAT990 is subject to the candidate completing at least 18cp of Group A or B subjects, with a minimum WAM of 65. The selection of subjects must be approved by the Head of Postgraduate Studies (HPS). The HPS will disallow subject choices for which the content is largely equivalent to subjects for which credit has already been obtained in other degree programs. Up to 12cp of other 900-level subjects, from the School of Mathematics and Applied Statistics or other units, may be included in the degree, if approved by the Head of Postgraduate Studies.

Course Program

Group A subjects

GHMD983	Statistics in Health Research	Spring	6
ISIT924	Simulation and Modelling	Spring	6
MMS9201	Multivariate and Vector Calculus	Autumn	6
MMS9202	Differential Equations 2	Spring	6
MMS9203	Linear Algebra	Autumn	6
MMS9204	Complex Variables and Group Theory	Spring	6
MMS9212	Applied Mathematical Modelling 2	Spring	6
MMS9222	Continuous Mathematics	Autumn	6
MMS9231	Probability and Random Variables	Autumn	6

MMS9232	Estimation and Hypothesis Testing	Spring	6

Group B subjects

INFO911	Data Mining and Knowledge Discovery	Spring	6
INFO912	Mathematics for Cryptography	Autumn	6
MMS9302	Differential Equations 3	Autumn	6
MMS9305	Partial Differential Equations	Spring	6
MMS9312	Applied Mathematical Modelling 3	Autumn	6
MMS9313	Industrial Mathematical Modelling	n/o 2010	6
MMS9322	Algebra	Autumn	6
MMS9323	Topology and Chaos	Spring	6
MMS9324	Calculus of Variations and Geometry	n/o 2010	6
MMS9325	Wavelets	n/o 2010	6
MATH941	Financial Calculus	Autumn	6
MATH942	Numerical Methods in Finance	Spring	6
MATH990	Project	Autumn/Spring	6
STAT921	Linear and Generalised Linear Models	Spring	6
STAT922	Statistical Inference	Spring	6
STAT923	Applied Probability and Financial Risk	Autumn	6
MMS9335	Sample Surveys and Experimental Design	Spring	6
STAT990	Minor Project	Autumn/Spring	6

Other Information

Students who satisfactorily complete the Master of Mathematical Science Studies degree are eligible for entry to the Master of Mathematics, Master of Statistics and the Master of Financial Mathematics..

SUBJECT DESCRIPTIONS

CSCI910 Formal Methods in Software Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
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.

CSCI920 Contemporary Topics in Computer Science

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines both the history and current trends in addition to ethical codes and professional practice within the computer science discipline. Topics covered will include influential people and devices, mathematical computation, hardware, languages, paradigms, input and output of code, group work, professional and ethical responsibilities, social context of computing, privacy and civil liberties, current and emergent trends including carbon centric coding, cloud computing, quantum computing, Google chrome and ethical implications of current computing trends and future trends. Within these areas student will examine and explore a wide range of topics with a view to examining the current computing grand challenges.

CSCI924 Reasoning and Learning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

CSCI925 Human Computer Interaction

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to help managers of information technology projects understand and appreciate issues that affect the usability and utility of software, from a user point of view, and how to ensure that introducing new software to the organization will improve work processes and increase productivity. The subject examines the design, evaluation and implementation of interactive computing systems for human use and the major phenomena surrounding them. Students will be introduced to methods and techniques used in evaluating user needs and the usability of the interactive system. They will be given the essential theoretical background to HCI approaches, methods and techniques followed by practical experience in conducting deferent types of usability evaluations.

CSCI926 Software Testing and Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

CSCI927 Service-Oriented Software Engineering

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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 management, distributed transaction management, privacy and trust. The subject will involve industry guest lectures and a practical development project.

CSCI928 Software Engineering Requirements and Specifications

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will demonstrate how software development can be viewed as a kind of engineering - an activity of building useful things to serve recognisable purposes. For software engineers, these useful things are a special kind of machine known as software systems. 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.

CSCI935 Computer Vision

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

CSCI936 Visualisation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: CSCI963
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.

CSCI940 CS Research Methodology

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT940
Subject Description: The program of study for MCompSc & MCompSc(Adv),CSCI940 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

CSCI941 Advanced Topics in Computer Science A

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from those areas of computing science in which visiting staff members of the School are engaged in active research.

CSCI942 Advanced Topics in Computer Science B

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from those areas of computing science in which visiting staff members of the School are engaged in active research.

CSCI943 Advanced Topics in Computer Science C

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from those areas of computing science in which visiting staff members of the School are engaged in active research.

CSCI944 Perception and Planning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores ways in which a robot can combine data from 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.

CSCI946 Multimedia Content Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers the creation and management of digital media for multimedia applications. Multimedia systems combine

images, graphics, audio 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, described and managed. The practical strand explores the acquisition and editing of digital video and audio with professional tools.

CSCI964 Computational Intelligence

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

CSCI966 Coding for Secure Communication

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

CSCI968 Advanced Network Security

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject begins with a review of typical networking structures, and a brief overview of security concerns. The effect on security of different network architectures will be considered. Protocol design and analysis will be treated in depth, in particular authentication and key exchange/ establishment protocols. Distributed or server aided computation will be studied. Theoretical and practical aspects of traffic analysis, intrusion detection and intrusion prevention systems will be studied. A range of additional topics, such as wireless security and reverse engineering, will be included as appropriate

CSCI969 Topics in Applying Information Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: CSCI966 & CSCI968 &CSCI971 & INFO912 & ISIT937
Subject Description: The class will be divided into groups of about 3 students. Each group will work independently on an implementation of a secure system requiring knowledge drawn from other subjects in the Information Security Major. The class will be provided with a foundational set of readings for the development of a secure, probably distributed, system. This is not a research project in the sense of developing a fundamentally new system, but research skills such as literature analysis in documents and exploring resources will be critical. Coding will be in either C or C++.

CSCI971 Advanced Computer Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

CSCI981 Preliminary Topics in Computer Science B

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Science.

CSCI982 Preliminary Topics in Computer Science C

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Science.

CSCI983 Preliminary Topics in Computer Science D

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Science.

CSCI990 Computer Science Project

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 18
Pre-requisites: CSCI940 at 75/100 or better is strongly advised
Co-requisites: None
Subject Description: This subject provides an opportunity for the student to engage in research training in general and to conduct an individual in-depth research on a topic of mutual interest to

them and their supervisor. Students are able to select topics from any of the areas of major study in the Master of Computer Science (Advanced) degree.

CSCI991 Project

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: CSCI940 at 75/100 or better is required
Co-requisites: None
Subject Description: This subject involves undertaking a project. Where possible the projects are related to the research interests of the School and/or staff and are chosen to develop the student's research skills

ECTE901 Multimedia Signal Processing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE401, ECTE996
Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in undergraduate courses. The contents consist of applying digital signal processing to practical applications including speech, audio, image and video processing and current research developments in these areas.

ECTE903 Image and Video Processing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE403
Subject Description: The aim of this subject is to extend digital signal processing knowledge gained in undergraduate courses. The contents will consist of: applying digital signal processing in image and video processing applications, including current research developments.

ECTE906 Advanced Signals and Systems

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide students with fundamental theoretical and practical skills to undertake the analysis, modelling and simulation of signals and systems using Matlab and Simulink. This subject will cover analogue and digital signal representation and transformation; system function; time and frequency response; random signals and analysis; and signal processing applications.

ECTE912 Power Electronics and Drives

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE412, ECTE925.
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; and current research developments in these areas.

ECTE923 Power System Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE423, ECTE924.
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 and current research developments in these areas.

ECTE926 Power Distribution Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE426
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; and current research developments in these areas.

ECTE931 Real-Time Computing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE431
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 and current research developments in these areas.

ECTE932 Computer Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None

Exclusions: ECTE432.
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 and current research developments in these areas.

ECTE933 Embedded Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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 and current research developments in these areas.

ECTE941 Intelligent Control

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE441, ECTE943.
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 and current research developments in these areas.

ECTE942 Computer Controlled Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE442
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; and current research developments in these areas

ECTE953 Advanced Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: A WAM of 72.5% for 24 credit points of 900-level including ECTE955.
Co-requisites: 36 credit points at 900-level.
Subject Description: The aim of this subject is to provide an opportunity for students to undertake a major engineering project and develop their initiative. ECTE953 Advanced Project requires students to work on individual projects that may involve some background reading and analysis, the development of hardware, the development of software, or an experimental program. Where possible the projects are related to the research programs of the School and are chosen to develop the student's initiative. It will involve weekly tutorial sessions; the presentation of seminars; and writing of reports. Each student is required to deliver an oral seminar and to prepare a final thesis on the result of the work undertaken.

ECTE955 Advanced Laboratory

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE956
Subject Description: The aim of this subject is to provide students with an opportunity to apply and verify theory in areas associated with the postgraduate programs through laboratory experiments and computer studies. Students will be expected to select three out of six projects and perform experiments; analyse results; and write reports on selected projects to illustrate practical issues related to the postgraduate program.

ECTE956 Internet Technology Laboratory

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE955
Subject Description: This subject consists of a series of experiments, during which the students (working individually or in small groups) become familiar with recent technological developments related to the Internet and its applications. Because the experiments are current 'hot topics' in Internet technology, they will be updated regularly to include recent developments. These will include wireless networking, multimedia applications, remote control and operation, etc.

ECTE957 Advanced Internet Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: A WAM of 72.5% for 24 credit points of ECTE 900-level (including ECTE956 and ECTE991) in your first full-time session program.
Co-requisites: ECTE991
Subject Description: The aim of this subject is to provide an opportunity for students to undertake a major technology project and develop their initiative. ECTE957 Advanced Internet Project requires students to work on individual projects that may involve some background reading and analysis, the development of hardware, the development of software, or an experimental program. Where possible the projects are related to the research programs of the School and are chosen to develop the student's initiative. It will involve weekly tutorial sessions; the presentation of seminars; and writing of reports. Each student is required to deliver an oral seminar and to prepare a final thesis on the result of the work undertaken.

ECTE962 Telecommunications System Modelling

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE462.
Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including skills to analyse 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; and current research developments

ECTE965 Wireless Communication Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE964, ECTE966, ECTE967.
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; and current research developments in these areas. Case studies will also be undertaken.

ECTE970 Advanced Topics in Engineering

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will enable students to further their knowledge and abilities in topics selected from the advanced technical subject areas in the relevant postgraduate program areas. Topics will be selected from the fields of computer and telecommunications engineering or automation and power engineering and will include current research developments.

ECTE971 Robotics and Flexible Automation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE471, ECTE472, ECTE972.
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 and current research developments in these areas.

ECTE975 Communication and ICT Workplace Practice

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide an opportunity for students to develop a better understanding of the nature of generic skills and their significance in the workplace and in particular, the Australian workplace culture. It will provide students with the skills to communicate effectively - to individuals and groups - using an array of communication methodologies, eg. verbal, written and electronic. The development of skills to enhance employment, including the ability to identify appropriate opportunities, write applications and understand interview techniques will be a key focus of this subject.

ECTE982 Network Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE482.
Subject Description: ECTE982 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; and current research developments in these areas

ECTE986 Telecommunications Network Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE486
Subject Description: The aims of this subject are to provide students with an understanding of the technical issues of telecommunications management, to provide practical hands-on experience of network configuration and management systems and to make students aware of economic, management and political issues in telecommunications management. Topics covered will include: private and public communications systems; LANs and SNMP; integration of voice, data and video in networks; general management issues; international standards; and current research developments.

ECTE992 Internet Networking Protocols

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE481, ECTE981.
Subject Description: This subject will provide students with an understanding of technologies used to provide connectivity and quality of service (QoS) on the Internet. Topics to be studied will

include: CIDR; OSPF; BGP; mobile IP; DSDV; AODV; integrated and differentiated Services; traffic engineering using MPLS; and wireless QoS MACs.

ECTE994 Wireless and Mobile Communication Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE465, ECTE466, ECTE965, ECTE966.
Subject Description: The aim of this subject is to provide a detailed overview of wireless and mobile communication systems. The following topics will be covered: mobile radio channel characterisation, channel access techniques, basic spread-spectrum techniques, principles of code division multiple access (CDMA), digital mobile networks (including, GSM and third generation mobile networks). As a special case study, this subject will cover in detail the IEEE 802.11 wireless data network standard and its effective use in a campus environment for Internet access.

ECTE996 Multimedia Communications

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE901
Subject Description: The aim of this subject is to provide a detailed overview of multimedia communication systems. The following topics will be covered: image and video coding, motion picture expert group (MPEG) and JPEG standards and their functionality, speech and audio coding, speech and audio coding standards for internet applications (Internet telephony), universal multimedia access (UMA) and MPEG 7.

ECTE997 Web Technology and Applications

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is to provide a detailed overview of web technologies and applications. The following topics will be covered: real-time streaming technologies; embedded Internet devices; web-based intelligent agent technology; web-application case studies (such as distance and flexible delivery of multimedia education, meta catalogue services etc).

IACT901 IT Strategic Planning

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ISIT901
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.

IACT906 Business On-Line

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to provide students with an understanding of e-business in the context of today's global business environment. Today most businesses compete in a global environment; a sound business strategy for on-line business is essential to facilitate this. This subject covers key areas of e-business, including: Strategy formulation and implementation; e-branding; service leadership; economics and inustry impacts of e-business and Internet effectiveness.

IACT918 Corporate Network Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
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.

IACT999 Emerging Topics in Information Technology

Not on offer in 2010
Credit Points: 6
Pre-requisites: IACT901 plus 36 credit points @ 900 level
Co-requisites: None
Subject Description: This subject is concerned with the emerging issues involved in the analysis, design, development and implementation of a corporate-wide information system. Students will complete an individual project/business case related to the strategic use of IT in an organization. Students are required to apply their experience and knowledge from previous subjects, as well as a set of research methods to prepare a report and presentation. Projects will be undertaken individually and specific topics will be selected based on the student's chosen elective stream and interests. The subject also provides students with enhanced communication and project management skills.

INFO911 Data Mining and Knowledge Discovery

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: INFO411
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.

INFO912 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.

INFO933 Pattern Recognition

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

ISIT900 Fundamentals of Contemporary Technologies

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to develop academic skills relevant to postgraduate studies and postgraduate writing in Information Technology and Information Systems. Students will develop an understanding of disciplinary expectations and requirements and the development of skills in critical listening, reading and analysis of text and data, the development of academic argument and the communication of text, data and analysis in written and spoken form. Students will also develop skills in locating, evaluating, and effectively using information appropriately in postgraduate studies. Topics covered include; Critical reading in software engineering, network management, multimedia and content management, Analysis and evaluation of problems and solutions in Information Systems and Information Technology

ISIT901 Information Systems Strategic Planning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

ISIT903 Enterprise Architecture Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

ISIT904 Systems Integration

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

ISIT905 Technology Management and Innovation

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT905
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.

ISIT906 Information Design and Content Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the use of information in organisations and how that information is acquired and represented using the latest information modelling techniques. The subject has a focus on the use of Web technologies to manage and access information. It addresses the growing need for systematic approaches to Content Management and document management.

ISIT908 IT Governance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

ISIT909 Advanced Business Process Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: BUSS909, ISIT409
Subject Description: A process perspective helps management to avoid or reduce duplicate work, facilitate collaboration and cross-functional communication, optimise business processes, create supply chains and achieve competitive advantage. IS and IT are fundamental to business process management (BPM), business transformation, continuous process improvement and supply chain management. IS/IT management must support the organisation's management of business processes and supply chains. Focus will be placed on the IS/IT management and business management perspectives of BPM, and on the human side of the Human Computer Interface. Topics covered include: theories, concepts, methodologies, techniques and tools to manage and enable business process design, analysis, implementation, management and optimisation; Strategies, architecture and infrastructure to support business processes, supply chains and business processes management; Embedding corporate knowledge into business processes; BPM risks and issues; Basic business process analysis and modelling

ISIT910 IT-enabled Supply Chain Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
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.

ISIT916 Organisational Issues & Information Technology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT916, ISIT416
Subject Description: This subject 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.

ISIT917 Business Intelligence and Knowledge Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT917
Subject Description: This subject focuses on strategies that promote knowledge creation and use within organisations. In total the subject enables students to gain familiarity of both quantitative and qualitative approaches to knowledge management and to develop competence in an area that is of interest to them. Student will be exposed to Business Intelligences (BI) as a contemporary strand of knowledge management practice. In addition they will be exposed to common BI methods and tools developing competence in one or more techniques. The subject also familiarises students with the literature in knowledge management to assist in critical assessment of methods and tools

ISIT918 Strategic Network Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT918
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.

ISIT924 Simulation and Modelling

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: BUSS924
Subject Description: This subject aims to introduce the concepts of systems modelling and simulation, and its role in analysing the operation characteristics of a system for supporting management in decision making. Both discrete and continuous systems modelling and simulation will be covered.

ISIT925 Strategic Network Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT924
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.

ISIT929 Concepts and Issues in Healthcare Computing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

ISIT930 Introduction to Health Informatics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ITCS930
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.

ISIT937 Information Technology Security and Risk Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ITCS937
Subject Description: This subject aims to provide students with a deep understanding of the security, risk management and regulatory aspects of e-commerce facing businesses in the on-line business environment. Today most businesses compete in a global business environment; a sound business strategy that addresses these issues is essential. This subject covers key issues in e-commerce, including: security options, trusted authorities, secure payment systems for the Internet, the regulatory environment and Government policy; risk management and control.

ISIT938 eBusiness Technologies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ITCS938
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

ISIT940 IT Research Methods

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT940
Subject Description: This subject introduces students to research methodology. Topics include the purpose of research, formulating a research question, conducting a literature review and writing a research proposal. Students will gain an understanding of the different research methodologies, including quantitative and qualitative analysis. 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. The subject provides an introduction to the research process for students undertaking Honours and postgraduate research projects in the School of Information Technology and Computer Science

ISIT945 Information Systems Project

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Exclusions: BUSS945
Subject Description: The aim of this subject is to provide students with the opportunity to study a topic of research interest either within a staff research group in the Information Systems Discipline. The project will be completed under staff supervision and culminates in the production of a substantial written report plus other products such as computer software as appropriate to the project. The subject aims to provide students with the opportunity under staff guidance to investigate/research an area or topic of interest in-depth in the IS Discipline; gain experience in the use of one or more methods, techniques and/or tools of one or more applicable research paradigms; gain experience in organising and using their time and efforts within specified constraints to produce a major piece of work in the form of a final report.

ISIT946 Project and Change Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ISIT900
Co-requisites: None
Exclusions: BUSS953
Subject Description: This subject provides an introduction to, and overview of, the knowledge and skills required to successfully manage computer-based systems development projects within an organisational setting. Topics and issues considered include: Information Systems project management and its organisational context; inter-organisational arrangements for e-business including B2B and B2C frameworks, project management tools and techniques; feasibility study methods; resource estimation techniques; behaviour and management of Information Systems project groups; systems development environments for professionals and end-users; quality assurance; project and system evaluation.

ISIT950 Systems Development Methodologies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: BUSS950
Subject Description: This subject provides an introduction to and overview of systems development methodologies for both historical and philosophical perspectives; an introduction to frameworks and issues which may be used to assess and compare different system development methodologies; an introduction to and comparison of the tools and techniques of a selection of systems development methodologies and the phases and stages of the systems development life cycle to which they are applicable and the opportunity to gain some in-depth knowledge of selected methodologies, techniques, tools, frameworks or issues via assignments.

ISIT951 Web Services and Service Oriented Architecture

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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.

ISIT991 Special Topics in IS and IT A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: 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. IT is a rapidly changing area. This subject will allow investigation into topics at the forefront of the discipline.

ISIT992 Special Topics in IS and IT B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: 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. IT is a rapidly changing area. This subject will allow investigation into topics at the forefront of the discipline.

ISIT998 Information Technology Research Report

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: IACT940 OR ISIT940 Also see Additional Information section of this site
Co-requisites: None
Exclusions: IACT950
Subject Description: This subject involves undertaking a project. Where possible the projects are related to the research interests of the School and/or staff and are chosen to develop the student's research skills. Each student is required to deliver an oral seminar and to prepare a final thesis on the result of the work undertaken.

ISIT999 ICT Research Project

Annual Wollongong On Campus
Credit Points: 18
Pre-requisites: ISIT940 see additional info below
Co-requisites: None

Subject Description: This is an individual academic research project conducted under the supervision of academic staff in the school.

ITCS937 Security, Risk Management and Control in Electronic Commerce

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to provide students with a deep understanding of the security, risk management and regulatory aspects of e-commerce facing businesses in the on-line business environment. Today most businesses compete in a global business environment; a sound business strategy that addresses these issues is essential. This subject covers key issues in e-commerce, including: security options, trusted authorities, secure payment systems for the Internet, the regulatory environment and Government policy; risk management and control.

MATH902 Solution to Differential Equations By One-Parameter Groups

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: One-parameter groups and Lie series, linear ordinary differential equations, first and second order ordinary differential equations, linear and non-linear partial differential equations

MATH941 Financial Calculus

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with MATH317
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.

MATH942 Numerical Methods in Finance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with MATH321
Subject Description: MATH942 is designed to develop practical skills in numerical and computational mathematics to solve problems that have no analytic solution. Various numerical techniques, such as Newton's iteration method, finite difference and finite element methods, for solving algebraic as well as differential equations are discussed. Methods that are particularly of interest for finance problems such as the Monte Carlo method and the binomial method are also studied.

MATH943 Practitioners' Seminars

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 0
Pre-requisites: None
Co-requisites: None
Subject Description: MATH943 is designed to allow students enrolled in Master of Financial Mathematics to develop a knowledge base for the state-of-the-art technology and skills required in business and finance. Leading experts in industry relate first-hand experiences of problems and techniques that arise in the financial industry. Students will be required to attend each seminar and discuss the topics presented.

MATH971 Advanced Topics in Applied Mathematics A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from the areas of interest of staff members or visiting staff members of the School.

MATH972 Advanced Topics in Applied Mathematics B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from the areas of interest of staff members or visiting staff members of the School.

MATH973 Advanced Topics in Pure Mathematics A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from the areas of interest of staff members or visiting staff members of the School. These may include topics in Analysis, Algebra, Logic or Number Theory.

MATH974 Advanced Topics in Pure Mathematics B

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topics will be selected from the areas of interest of staff members or visiting staff members of the School. These may include topics in Analysis, Algebra, Logic or Number Theory.

MATH977 Advanced Topics in Mathematics A

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH188

MATH978 Advanced Topics in Mathematics B

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH188

MATH980 Preliminary Topics in Mathematics A

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Mathematics

MATH981 Preliminary Topics in Mathematics B

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Mathematics

MATH982 Preliminary Topics in Mathematics C

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None

MATH989 Project Part 1

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None

MATH990 Project Part 2

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None

MATH991 Project

Annual	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None

MCS9102 Information Systems

Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ITCS905
Subject Description: This subject will have 3 integrated strands: a) an overview of all the major Information Systems found in a typical business b) an introduction to essay and report writing at University level c) laboratory exercises to develop skills with office automation tools (e.g. Word, Excel, Access). Strand a) covers systems such as finance, HR, payroll, inventory, sales, CRM, SCM, ERP etcIt also introduces the Systems Development Lifecycle, several systems analysis and design techniques, and basic database concepts

MCS9103 Algorithms and Problem Solving

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject 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.

MCS9110 Introduction to W3 Technologies

Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces the technologies that underlie the World Wide Web and its commercial applications. Topics include an overview of internet communications covering basic protocols such as TCP/IP and HTTP, an introduction to the web-browser/web-server client-server systems, HTML/XHTML/XML markup languages, web forms, client side scripting technologies, basics of relational databases, and server side scripting languages. Students will build working web-sites with dynamic content. Working in groups, students will explore the uses of one or more of the more elaborate framework applications for web-based collaboration (Web-2 technologies).

MCS9114 Procedural Programming

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ITCS901
Subject Description: This subject 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

MCS9124 Applied Programming

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9114 & MCS9103
Co-requisites: None
Exclusions: ITCS902
Subject Description: This subject develops a thorough understanding of program design using data structures. It extends MCS9114 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, 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.

MCS9201 Professional Practice & Ethics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ITCS908
Subject Description: This subject provides students with a real-world approach to Information and Communication Security Issues. Both managerial and technical aspects are addressed. The subject will cover the need for security, professional and regulatory considerations, security technology, physical security, information security, and personnel issues. Students will be required to engage in problem solving activities that apply the principles learned in the subject, and will also be required to acquire knowledge of current practice and technologies.

MCS9203 Algorithms and Data Structures

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9124 or ITCS902
Co-requisites: None
Exclusions: ITCS903
Subject Description: Approaches to analysing algorithm complexity, introduced in earlier 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.

MCS9204 Object and Generic Programming in C++

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9124 or ITCS902
Co-requisites: None
Exclusions: Not to count with ITCS903
Subject Description: This subject develops a thorough understanding of the object-oriented approach and introduces such object concepts as encapsulation, inheritance, polymorphism and runtime binding. This is complemented by an introduction to object-oriented design, with UML representations at the program level. Templates are introduced as a method of achieving generalisation. Container classes and the Standard Template Library are presented as examples of generic programming.

MCS9205 Software Development Methods & Tools

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9124
Co-requisites: None
Exclusions: ITCS917
Subject Description: This subject provides an introduction to the process of design and analysis of software. Students will receive a formal introduction to the software design process and techniques, pattern design and reuse, as well as general approaches of interface design. A UML supporting tool will be used for practice of object oriented development approach.

MCS9206 Markup Languages

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MTS9111 and MTS9100
Co-requisites: MTS9112
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.

MCS9212 Interacting Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (MCS9102 or ITCS905) and MCS9124
Co-requisites: None
Exclusions: ITCS909
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.

MCS9213 Java Programming and Applications

Spring Wollongong On Campus
Credit Points: 6

Pre-requisites: None
Co-requisites: MCS9124
Exclusions: ITCS907
Subject Description: This subject provides: 1. an introduction to the Java language and some of its standard class libraries; and 2. experience with object oriented design and implementation techniques. Topics covered will include: use of a Java Integrated Development Environment, Java language, subset of the standard Java class packages (Standard Edition: windowing, graphics, TCP/IP networking, threads, database access, applet, media), security issues with portable code, Java 'Micro Edition' (ME) and its associated packages and applications. Development of applications for different environments.

MCS9222 Systems Development

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9204
Co-requisites: None
Subject Description: This subject provides a framework for understanding and developing the necessary skills to successfully undertake the major third year software project. The subject provides an introduction to the practical aspects of the development of a software application following a well defined process. Students will gain experience in the software development cycle, including requirements, design, and implementation, and also learn to exploit implementation support technologies. Assignments will provide experience of structured development work in a small group setting. The implementation language used in illustrations and assignments is C++.

MCS9235 Database Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
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

MCS9236 3D Modelling and Animation

Spring 2010/
Summer 2010 Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of MCS 900s
Co-requisites: None
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.

MCS9262 System Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9124
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.

MCS9301 Information and Communication Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9201 or ITCS908
Co-requisites: None
Subject Description: This subject provides students with a real-world approach to Information and Communication Security Issues. Both managerial and technical aspects are addressed. The subject will cover the need for security, professional and regulatory considerations, security technology, physical security, information security, and personnel issues. Students will be required to engage in problem solving activities that apply the principles learned in the subject, and will also be required to acquire knowledge of current practice and technologies.

MCS9303 Social Informatics and the Workplace

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9102
Co-requisites: None
Exclusions: ITCS923
Subject Description: The impact of IT in the workplace extends far beyond the computer. This subject explores the issues of employee monitoring, outsourcing and business practices, equality and ethics, from the perspectives of employer and employee. From real world examples, this subject draws on current issues in these areas to enable students to explore issues that are likely to be faced upon entering employment.

MCS9311 Software Process Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9205
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

MCS9315 Database Design and Implementation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9235
Co-requisites: None
Exclusions: ITCS921
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 normalization and de-normalization, physical database design, generation of database applications, database tuning, design of distributed database systems.

MCS9317 Database Performance Tuning

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9235
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.

MCS9318 Software Engineering Practices & Principles

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9205
Co-requisites: None
Exclusions: CSCI318, 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.

MCS9319 Distributed Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces basic concepts underlying modern distributed systems and provides some experience in the implementation of distributed system components. Topics covered will include: inter-process communications, multi threaded servers, remote-procedure-calls, remote-method-invocations; modern synchronous and asynchronous RPC client server systems and supporting processes; distributed system architectures, messaging and transactional systems; peer-to-peer, cluster, and grid technologies; virtualization and fault tolerance; synchronization; security and naming; supporting systems such as NFS, and DNS, practical exposure to real world distributed systems, design of distributed file services or distributed web based services. A student who successfully completes this subject should be able to: 1.Explain different systems architectures; make sensible choice of systems architectures for different applications; 2.Explain and appropriately utilize different service models including conventional client-server models, peer-to-peer models, cluster computing systems, grid computing mechanisms, and other specialized architectures; 3.Explain structured and unstructured peer-to-peer systems, and be able to implement various aspects of peer-to-peer systems. 4.Explain communications in distributed systems including XML-RPC, NFS, TCP, Message passing, and streaming. For Objectives 5-10 see below.

MCS9322 Systems Administration

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9204
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.

MCS9323 Artificial Intelligence

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9114
Co-requisites: None
Subject Description: This subject 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.

MCS9324 Human Computer Interface

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
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.

MCS9330 Operating Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9212
Co-requisites: None
Exclusions: CSCI231
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

MCS9336 Computer Graphics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9204
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.

MCS9337 Organisation of Programming Languages

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9124
Co-requisites: None
Subject Description: This subject 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.

MCS9346 Game Development

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9236
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.

MCS9356 Game Engine Fundamentals

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9204
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.

MCS9358 Security Engineering

Not on offer in 2010
Credit Points: 6
Pre-requisites: 12cp of MCS9 200s subjects
Co-requisites: None
Subject Description: This subject develops the skills and applies the knowledge necessary to identify and solve problems in the deployment of security systems. Topics include: Relationships among cryptographic techniques. Black, white and grey hat techniques. Authentication versus identification, Security policies for security administration. Security monitoring. E-commerce, bank security. File sharing and source control integrity. Legality of digital signatures, DRM, forensics, liability, copyright protection, internet censorship. Standards and RFCs. Security of deployed systems.

MCS9361 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 (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.

MCS9366 Multimedia Computing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9204
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.

MCS9368 Network Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9361
Co-requisites: None
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.

MCS9398 Introduction to Enterprise Computing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9399
Co-requisites: None
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

MCS9399 Server Technology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9213
Co-requisites: None
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

MMS9201 Multivariate and Vector Calculus

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH201
Subject Description: MMS9201 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.

MMS9202 Differential Equations 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH202
Subject Description: MMS9202 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.

MMS9203 Linear Algebra

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH203
Subject Description: 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.

MMS9204 Complex Variables and Group Theory

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH204
Subject Description: MMS9204 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.

MMS9212 Applied Mathematical Modelling 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH212
Subject Description: MMS9212 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.

MMS9222 Continuous Mathematics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH222
Subject Description: Continuous Mathematics deals the properties of the real numbers, and especially with convergent sequences and continuous functions on the real numbers. Careful attention to precision in definitions and arguments is an important aspect of the presentation. This mathematics highlights and explains the power and the limitations of calculus. This course will include derivations of the principal theorems of calculus and their applications. The material covered has developed over two centuries and underpins much of modern mathematics and many practical applications.

MMS9231 Probability and Random Variables

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: STAT231 and STAT291
Subject Description: MMS9231 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.

MMS9232 Estimation and Hypothesis Testing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: STAT232
Subject Description: MMS9232 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.

MMS9302 Differential Equations 3

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH302
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.

MMS9305 Partial Differential Equations

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH305
Subject Description: This subject 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.

MMS9312 Applied Mathematical Modelling 3

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH312
Subject Description: MMS9312 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.

MMS9313 Industrial Mathematical Modelling

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH313
Subject Description: MMS9313 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.

MMS9322 Algebra

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH322
Subject Description: MMS9322 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 MMS9204, and to a lesser extent upon the finite mathematics section of MMS9222. 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.

MMS9323 Topology and Chaos

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH323
Subject Description: MMS9323 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.

MMS9324 Calculus of Variations and Geometry

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH324
Subject Description: This subject is about classical calculus of variations and geometric analysis of curves and surfaces. These areas and the links between them are central to much modern mathematical analysis and also find diverse applications in engineering, physics and biology. This subject builds on students' knowledge of calculus and linear algebra to represent curves and surfaces and their properties, particularly their curvature, analytically, and to develop several important and widely applicable tools for optimisation of energies in various contexts

MMS9325 Wavelets

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MATH325
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.

MMS9335 Sample Surveys and Experimental Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: STAT335, STAT355, STAT955
Subject Description: MMS9335 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.

MTS9100 Systems Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
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

MTS9105 Communications and Networks

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
Co-requisites: None
Subject Description: This subject will introduce the concept of networks and the Internet. Topics covered include: different types of data and the history of data communications; signals, modulation and multiplexing; switching technologies and routing; network architectures: LANS, WANs and the Internet; Internet services, multimedia services, broadband services and Internet protocols; emerging technologies: optical and wireless networks.

MTS9111 Programming Concepts

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
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.

MTS9112 Database

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 6 credit points of MTS9100-level subjects
Co-requisites: None
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.

MTS9114 Object Oriented Programming

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MTS9111
Co-requisites: None
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.

MTS9201 Information and Communication Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp of 100 level MTS9
Co-requisites: None
Subject Description: This subject provides students with a real-world approach to Information and Communication Security Issues. Both managerial and technical aspects are addressed. The subject will cover the need for security, professional and regulatory considerations, security technology, physical security, information security, and personnel issues. Students will be required to engage in problem solving activities that apply the principles learned in the subject, and will also be required to acquire knowledge of current practice and technologies.

MTS9204 Principles of eBusiness

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
Co-requisites: None
Exclusions: IACT304
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.

MTS9206 Web Technologies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
Co-requisites: None
Subject Description: This subject teaches the concepts and skills for introductory database-driven Web development and design. It provides a systematic introduction to some of the major Web technologies and exercises these in practice. The subject covers the concepts and technology fundamentals of Web development, client-side technologies such as scripting languages, also server-side programming and database technologies accessed via the Web. The emphasis where possible and appropriate is on Web "standards" (namely W3C recommendations).

MTS9207 Web Programming I

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MTS9111
Co-requisites: None
Subject Description: The aim of this subject is to provide students with a practical knowledge of web programming concepts and techniques and user interface design techniques used in the creation of dynamic web sites. The subject will provide students with an opportunity to develop an understanding of the principles of client and server-based scripts as well as user-interface constructs. Students will also be able to apply these principles. The subject provides an in-depth look at the object oriented features of web programming. Students will have exposure to appropriate software development tools to complete a data cycle of input data -store data -output data via the web.

MTS9208 Strategic Systems Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24cp of 100 level MTS9
Co-requisites: None
Exclusions: BUSS308
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.

MTS9212 Corporate Network Planning and Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
Co-requisites: None
Subject Description: The systematic design of networks includes requirements gathering, requirements analysis, the development of logical design and the conversion of the logical design to a physical design. The use of architectures will provide students with a high level framework that consists of addressing and routing, performance characteristics, security and network management. The subject will teach students to relate this framework to basic data communication techniques developed in previous subjects as well extend their knowledge of addressing and routing and performance characteristics

MTS9218 Systems Design and Human Computer Interaction

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
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

MTS9301 Professional Practice & Ethics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
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.

MTS9302 Corporate Network Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
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 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

MTS9306 Strategic eBusiness Solutions

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
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).

MTS9311 Database Management Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MTS9114
Co-requisites: None
Subject Description: This subject covers advanced database topics including but not limited to: business intelligence and analytical processing; scorecards and dashboards; data quality and managing data change; data warehousing and data mining; data analysis and data integration; time series data; and the use of data across the Web. Discussion and hands on exercises related to these topics will equip students to meet the challenges in database management and the use and development of advanced database applications. Students will be presented with opportunities to do hands-on work with appropriate commercial tools.

MTS9318 Information Systems Project

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: 6cp of 100 level MTS9
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.

MTS9332 Business Process Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
Co-requisites: None
Subject Description: Business process management (BPM) combines a process-centric and cross-functional approach to improving how organizations achieve their business goals. A BPM solution makes use of IT to model, automate, manage and optimize business processes to increase productivity. Within this subject students learn important process-centric issues in business system design and implementation. Focus will be placed on both business and technical perspectives of BPM. Topics covered include: Basic business process concepts; Business process modelling; Business process outsourcing; Business process re-engineering; Business process improvement; Workflow and business process automation; Business process management and service-oriented architecture

MTS9351 Information Technology Project

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: 6cp of 100 level MTS9
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.

SHS 940 Statistics in Health Research

Spring Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: GHMD983
Subject Description: Introduces basic statistical concepts and methods. Topics covered: collecting data, designing statistical studies, principles of data presentation; exploratory data analysis, probability and statistical models emphasising binomial and normal distributions; categorical data, contingency tables and the Chi-squared distribution; sampling, sample means and the central limit theorem; inference - point estimation, confidence intervals, testing hypotheses; inference about single parameters; comparing means and proportions, analysis of variance, demography.

STAT901 Modern Inference

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Introduction to the use of a statistical software package; bootstrap methods; Monte-Carlo methods; permutation tests; nonparametric regression; the sign, Kruskal-Wallis and Spearman tests and extensions of them; ties.

STAT902 Advanced Data Analysis

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A selection of topics from: Regression model building and checking; Causal modelling; Cluster analysis; Multi-dimensional scaling; Log-linear models; Generalised linear models; Time series methods; Principal components, Factor analysis; Canonical correlations; Statistical computer packages.

STAT903 Survey Design and Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Survey methods - survey development; Cluster and muli-stage sampling; Repeated and longitudinal surveys; Non-sampling errors; General methods of variance estimation; Small area estimation; Non-response adjustment; Analysis of complex survey data; Report writing.

STAT904 Statistical Consulting

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Project management; Client liaison; Problem identification; Consulting ethics and principles; Sources of data; Choosing design and analysis procedures; Common problems in statistical consulting; Setting sample size - power calculations; Consulting case studies; Report writing.

STAT905 Time Series

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Prediction theory; Linear models: identification, estimation, diagnostic checking; Multivariate models.

STAT906 Experimental Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The general linear model; Complete and incomplete block designs; The construction of optimal block designs; Factorial designs and fractional factorial designs; Response surface methodology.

STAT920 Stochastic Methods in Finance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: STAT920 covers necessary probabilistic concepts and models such as linear stochastic models, nonlinear stochastic models and nonlinear chaotic models used in finance. Topics discussed in this subject also include martingale methods, stochastic processes, optimal stopping, the modeling of uncertainty using a Wiener process, Ito's formula as a tool of stochastic calculus, fundamentals of stochastic differential equations and the applications of these methods to finance.

STAT921 Linear and Generalised Linear Models

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: STAT332
Subject Description: This unit considers how to investigate relationships between variables arising from observational studies and designed experiments. Topics include: * Model fitting as an approach to statistical analysis * Exponential family of distributions * Maximum likelihood estimation * Inference methods based on model fitting * Models for multiple linear regression; estimation and analysis; diagnostics and model selection * Generalised linear models for categorical data: logistic regression for nominal and ordinal data, Poisson regression and log-linear models * Additive models.

STAT922 Statistical Inference

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: STAT333
Subject Description: This unit considers how to make inferences about unknown quantities from observed data Topics covered include, * Estimation methods: maximum likelihood and minimum variance unbiased estimation * Hypothesis Testing; likelihood ratio, score and Wald tests,

* Evaluating tests * Monte Carlo Simulation methods for inference * Randomisation tests * Monte Carlo Markov Chain * Jackknife methods * Bootstrap methods.

STAT923 Applied Probability and Financial Risk

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: STAT304
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.

STAT943 Statistical Quality Control 2

Not on offer in 2010
Credit Points: 6
Pre-requisites: MATH188
Co-requisites: None

STAT955 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 level or better, or (STAT131 and STAT231 both at Credit level or better)
Co-requisites: None
Exclusions: Not to count with STAT335 or STAT355.
Subject Description: 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. Statistical computing is an essential part of this subject. Project: Students will undertake a project that relates the work of this subject to an investigation in their field of major interest.

STAT971 Preliminary Topics in Statistics A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Statistics

STAT972 Preliminary Topics in Statistics B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Statistics

STAT981 Advanced Topics in Statistics A

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Current research interests of staff of the School of Mathematics and Applied Statistics and visitors to the School.

STAT982 Advanced Topics in Statistics B

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Current research interests of staff of the School of Mathematics and Applied Statistics and visitors to the School.

STAT983 Advanced Topics in Statistics C

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Current research interests of staff of the School of Mathematics and Applied Statistics and visitors to the School.

STAT990 Minor Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None

STAT991 Project

Annual Wollongong On Campus
Spring2010/
Autumn2011 Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None

Faculty of Law

Courses Offered

Research

Doctor of Philosophy

Master of Laws – Research

Master of Maritime Studies – Research

Coursework

Master of Laws (Criminal Prosecutions)

Master of Fisheries Policy

Master of Maritime Studies

Master of Maritime Policy

Master of Transnational Crime Prevention

Graduate Diploma in Legal Practice

Graduate Certificate in Law (Criminal Prosecutions)

Graduate Certificate in Maritime Studies

Graduate Certificate in Transnational Crime Prevention

For tuition fee information please see the following:

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

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

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Law
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per annum
Delivery Mode:	Supervised individual research
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	028400J

Overview

Doctor of Philosophy (PhD) candidates undertake in-depth research in order to make an original contribution to the body of knowledge in law.

Entry Requirements / Assumed Knowledge

Candidates should have an undergraduate degree from a recognised institution with Honours Class II, Division 2 or above. Candidates who do not possess such a degree may be permitted to demonstrate capacity for research, for example by first completing a Special Research Paper in Law, and should contact the Faculty of Law's Associate Dean (Research).

Course Requirements

Candidates are required to satisfactorily complete a major thesis to the value of 48 credit points per annum.

Course Program

Subjects		Credit Points
THES924	Major Thesis - full-time students	48 per annum
THES912	Major Thesis - part-time students	24 per annum

Current Research Areas

- Anti-discrimination law
- Company law
- Comparative law
- Conflict of laws
- Constitutional law
- Consumer protection law

- Counter-terrorism law
- Court policy and administration
- Criminal law
- Cross-cultural legal issues
- Environmental and planning law
- Fisheries law and policy
- Human rights
- Indigenous people and law
- Industrial relations law
- Intellectual property law
- Interdisciplinary law-related research
- International law
- Islamic law
- Law enforcement cooperation
- Law relating to the sea
- Law society and culture
- Maritime Policy
- Maritime security
- Natural resources law
- Terrorism
- Transnational crime

Master of Laws - Research

Testamur Title of Degree:	Master of Laws – Research
Abbreviation:	MLaws-Res
Home Faculty:	Law
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1311
CRICOS Code:	042525A

Overview

This research program is designed for candidates to complete a thesis in relation to a discipline of Law.

Entry Requirements / Assumed Knowledge

Candidates should have an undergraduate degree in Law from a recognised institution or recognised overseas equivalent.

Credit Transfer

Candidates may be exempt from LAW993 Research Project (Minor Thesis) if they have completed a substantial piece of written research as part of their Honours Law Degree at undergraduate level.

Course Requirements

Candidates are required to satisfactorily complete a 48 credit point research thesis plus 24 credit points of coursework prior to completion of the thesis.

Course Program

Subjects		Credit Points
LAW 993	Research Project (Minor Thesis)	8
LAW 994	Research Proposal	8
Plus one 8 credit point subject relevant to the particular needs of the student, chosen from the following:		
LLB9337	Comparative Studies in Law	8
LLB9100	Introduction to Legal Systems	8
Plus 48 credit points in one of the following subjects depending on whether studying part-time or full-time:		
THES924	Major Thesis - full-time students	48
THES912	Major Thesis - part-time students	48

Current Research Areas

Refer to the listing under the Doctor of Philosophy entry.

Master of Maritime Studies - Research

Testamur Title of Degree:	Master of Maritime Studies - Research
Abbreviation:	MMaritimeStud - Res
Home Faculty:	Law
Starting Session(s):	Autumn/Spring
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Campus:	Wollongong
UOW Course Code:	1320
CRICOS Code:	045472G

Overview

The course is a research degree with a specialisation in Maritime Studies.

Entry Requirements / Assumed Knowledge

Candidates should have an undergraduate degree in any discipline from a recognised institution or recognised overseas equivalent; or a University of Wollongong Graduate Certificate in Maritime Studies; or relevant professional experience.

Credit Transfer

Candidates may be exempt from all or part of the coursework requirement depending on their research, academic and/or professional experience.

Course Requirements

Candidates are required to satisfactorily complete a 48 credit point research thesis plus 24 credit points of coursework prior to completion of the thesis.

Course Program

Subjects		Credit Points
CMP 911	Research Project in Maritime Studies	8

Plus two 8 credit point subjects relevant to the particular needs of the student chosen from the Master of Maritime Studies coursework schedule, or other subjects approved by the Course Coordinator.

Plus 48 credit points in one of the following subjects depending on whether you are part-time or full-time:

THES924	Major Thesis - full-time students	48
THES912	Major Thesis - part-time students	48

Master of Laws (Criminal Prosecutions)

Testamur Title of Degree:	Master of Laws (Criminal Prosecutions)
Abbreviation:	MLaws (CrimPros)
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Delivery mode:	On campus (Face-to-face)
Total Credit Points:	48
Starting Session(s):	Autumn/Spring
Campus:	Wollongong
UOW Course Code:	584
CRICOS Code:	067078B

Overview

This program offers the only post graduate qualification in law in Australia specialising in criminal prosecutions. It draws on and extends the Faculty of Law's expertise in the areas of professional legal training and transnational crime prevention to provide a theoretical and applied basis for meeting the educational needs of those involved in, or wishing to become involved in, criminal prosecutions. Whilst emphasising the knowledge, art and practice of ethical, skilful and responsible prosecuting, the program has equal relevance to those involved in criminal defence work.

Entry Requirements / Assumed Knowledge

Law degree or recognised qualification for admission to legal practice

English language requirements:

a) IELTS overall band 7.0 or

b) IELTS overall band 6.0 with attendance in either ELL901 English for Postgraduate Studies 1 in Autumn Session or ELL903 English for Postgraduate Studies 2 in Spring Session.

Credit Arrangement

Students completing the Graduate Certificate (Criminal Prosecutions) can articulate in to the Masters degree with an additional 12 credit point Research Project and an additional two elective subjects (12 credit points) form the subjects listed in the Crouse Program.

Course Requirements

Students are required to satisfactorily complete 48 credit points, comprising 36 credit points of prescribed subjects and two elective subjects (12 credit points) from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Prescribed Subjects		
LWPD900	Prosecutorial Practice	6
LWPD901	Applied Criminal Law	6
LWPD902	Advanced Criminal Evidence	6
LWPD926	Experts & Their Evidence	6
LWPD920	Prosecutions Research Project	12
Elective Subjects		
LWPD907	International Law and Criminal Jurisdiction	6
LWPD909	Studies in Transnational Crime and Transnational Criminal Law	6
LWPD912	Prosecuting International Humanitarian Law	6
LWPD914	Comparative Criminal Justice	6
LWPD919	Special Studies in Prosecutions	6
LWPD927	Prosecuting Transnational Economic and Cybercrime	6
LWPD928	Criminal Trial and Appellate Advocacy	6

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

Master of Fisheries Policy

Testamur Title of Degree:	Master of Fisheries Policy
Abbreviation:	MFishPol
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Delivery mode:	On campus (Face-to-face)
Total Credit Points:	48
Starting Session(s):	Autumn/Spring
Campus:	Wollongong
UOW Course Code:	1621
CRICOS Code:	068542G

Overview

The Master of Fisheries Policy programme is designed for fisheries and environmental policy officers, mid-level managers and enforcement officers from governments, and regional and international organisations. The degree covers international, regional and national frameworks for sustainable fisheries management and provides knowledge and skills necessary for the management of fisheries and aquatic resources.

Entry Requirements / Assumed Knowledge

Students should have an undergraduate degree or equivalent or an appropriate professional background.

Course Requirements

Students are required to satisfactorily complete 48 credit points, comprising subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Prescribed Subjects		
CMP 902	Law of the Sea	8
CMP 914	International Fisheries Law	8
CMP 915	Fisheries Management	8
CMP 916	Fisheries and Development	8
CMP 917	Integrated Monitoring, Control and Surveillance	8
CMP 918	International Fish Trade	8

Master of Maritime Studies

Testamur Title of Degree:	Master of Maritime Studies
Abbreviation:	MMaritimeStud
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn/Spring
Delivery mode:	On campus (Face-to-face) and Distance
Campus:	Wollongong
UOW Course Code:	520
CRICOS Code:	042637D

Overview

The program is designed to meet the professional development requirements of those working in marine fields, such as navies, relevant government departments and agencies, NGOs and the private sector, or those who intend to pursue a career in a maritime or related field.

Entry Requirements / Assumed Knowledge

Students should have an undergraduate degree or equivalent or an appropriate professional background.

Credit Transfer

Students who have completed the Graduate Certificate in Maritime Studies may be eligible for 8 credit points of credit transfer in recognition of professional experience or prior learning. Refer to www.uow.edu.au/about/policy/UOW058680.html

Course Requirements

Students are required to satisfactorily complete 48 credit points, comprising 16 credit points of prescribed subjects and 32 credit points of elective subjects, from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Prescribed Subjects		
CMP 902	Law of the Sea	8
CMP 911	Research Project in Maritime Studies	8
Elective Subjects		
CMP 901	Strategy and Sea Power	8
CMP 904	Maritime Regulation and Enforcement	8
CMP 905	Legal Regulation of Shipping	8
CMP 906	Comparative Oceans Policy	8
CMP 907	Maritime Security Law and Policy	8
CMP 908	Contemporary Maritime Issues in the Asia-Pacific Region	8
CMP 909	International Marine Environmental Law	8
CMP 910	Special Topic in Maritime Studies	8
CMP 912	Minor Thesis in Maritime Studies	16
CMP 913	Integrated Marine and Coastal Management	8
CMP 914	International Fisheries Law	8
CMP 915	Fisheries Management	8

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

Master of Maritime Policy

Testamur Title of Degree:	Master of Maritime Policy
Abbreviation:	MMaritimePol
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Campus:	Wollongong
UOW Course Code:	1543
CRICOS Code:	017740B

Overview

The program is designed to meet the professional development requirements of those working in marine fields, such as navies, relevant government departments and agencies, NGOs and the private sector, or those who intend to pursue a career in a maritime or related field.

Entry Requirements / Assumed Knowledge

Students should have an undergraduate degree or equivalent or an appropriate professional background.

Course Requirements

Students are required to satisfactorily complete 48 credit points, comprising 16 credit points of prescribed subjects and 32 credit points of elective subjects, from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Prescribed Subjects		
CMP 902	Law of the Sea	8
CMP 906	Comparative Oceans Policy	8
Elective Subjects		
CMP 901	Strategy and Sea Power	8
CMP 904	Maritime Regulation and Enforcement	8
CMP 905	Legal Regulation of Shipping	8
CMP 907	Maritime Security Law and Policy	8
CMP 908	Contemporary Maritime Issues in the Asia-Pacific Region	8
CMP 909	International Marine Environmental Law	8
CMP 910	Special Topic in Maritime Studies	8
CMP 911	Research Project in Maritime Studies	8
CMP 912	Minor Thesis in Maritime Studies	16
CMP 913	Integrated Marine and Coastal Management	8
CMP 914	International Fisheries Law	8
CMP 915	Fisheries Management	8

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

Master of Transnational Crime Prevention

Testamur Title of Degree:	Master of Transnational Crime Prevention
Abbreviation:	MTransCrimePrev
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1516
CRICOS Code:	037086F

Overview

This program is designed for students from law enforcement agencies and the private sector, including police, customs, anti-corruption, immigration, banking, finance, accounting and other institutions from Australia, the Asia-Pacific region and beyond.

Entry Requirements / Assumed Knowledge

Students should be graduates or have extensive relevant experience at a high level.

English language requirements:

IELTS overall band 6.0 with a minimum of 6.0 in both reading and writing, 5.5 in listening and speaking.

Credit Transfer

Students successfully completing the Graduate Certificate in Transnational Crime Prevention have the option to articulate into this course.

Course Requirements

Students are required to satisfactorily complete 48 credit points from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Core Subjects		
LEGL929	Transnational Crime Prevention	6
LEGL960	Understanding Transnational Crime	6
Elective Subjects		
LEGL952	Cyber Crime	6
LEGL954	International Corporate Crime	6
LEGL955	Issues in Comparative Criminal Justice	6
LEGL956	Major Research Project	12
LEGL957	Security Intelligence and Policy	6
LEGL958	Studies in International Criminal Law	6
LEGL959	International Cooperation and Transnational Crime	6
LEGL960	Understanding Transnational Crime	6
LEGL961	Minor Research Project	6
LEGL962	Special Studies in Transnational Crime	6
LEGL963	Terrorism and Counter Terrorism	6
LEGL964	Transnational Financial Crime	6

Graduate Diploma in Legal Practice

Testamur Title of Degree:	Graduate Diploma in Legal Practice
Abbreviation:	GDipLegPrac
Home Faculty:	Law
Duration:	20 weeks full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face) and Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	637
CRICOS Code:	030380A

Overview

This course provides law graduates with the opportunity to complete, through a flexible learning delivery mode, the admission requirements to practise as a solicitor in New South Wales, Australia.

Entry Requirements / Assumed Knowledge

Students should have a University of Wollongong LLB degree, a Diploma in Law from the Legal Profession Admission Board or a law degree from an accredited tertiary institution, including the successful completion (pass level) of the equivalent of the University's skills training and legal profession studies subjects (ie, skills training, conveyancing, litigation practice and professional responsibility/ethics).

However, students who have not completed equivalent subjects as described above will have appropriate skills training in the Graduate Diploma in Legal Practice program offered by the Faculty of Law at the University of Wollongong.

Course Requirements

Students are required to satisfactorily complete all coursework and professional experience components of the Practical Legal Training Course.

Course Program

Subjects		Credit Points
LLB 843	Professional Practice or	8
LLB 847	Professional Experience*	0
LLB 844	Practice Management	8
LLB 845	Conducting Litigation	16
LLB 846	Commercial and Property Practice	16

*Students who have completed the subject LLB396 Professional Practice as part of the LLB at UOW are required to enrol in LLB847.

Professional Recognition

The Legal Profession Admission Board recognises this course for graduates applying for admission as legal practitioners in New South Wales.

Other Information

International law graduates should first contact the Legal Profession Admission Board for directions as to what requirements they must meet in order to qualify for admission in New South Wales. They may be required to complete some additional law studies and it is usual to complete these before commencing the practical legal training requirements.

Graduate Certificate in Law (Criminal Prosecutions)

Testamur Title of Degree:	Graduate Certificate in Law (Criminal Prosecutions)*
Abbreviation:	GCertLaw(Crim Pros)
Home Faculty:	Law
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery mode:	On campus (Face-to-face and flexible)
Starting Session(s):	Autumn/Spring
Location:	Wollongong, Malaysia
UOW Course Code:	1159
CRICOS Code:	058980B

* Spring Session 2009 name changed to Graduate Certificate in Law (Criminal Prosecutions) from Graduate Certificate in Law (Prosecutions).

Overview

This program is designed specifically to address the educational needs of those with a special knowledge of or interest in prosecutorial practice. It draws on and extends the Faculty's existing expertise in the areas of professional legal training and transnational crime prevention to provide a theoretical and applied basis for meeting the educational needs of those involved in prosecutions.

Entry Requirements / Assumed Knowledge

Students should have a degree in Law from a recognised institution or recognised overseas equivalent, or be admitted to practice as a barrister or solicitor.

English language requirements:

a) IELTS overall band 7.0 or

b) IELTS overall band 6.0 with attendance in either ELL901 Effective Spoken Communication for Postgraduate Studies in Autumn Session or ELL903 Effective Written Communication for Postgraduate Studies in Spring Session.

Credit Transfer

The Graduate Certificate in Law (Criminal Prosecutions) fully articulates into the Master of Laws (Criminal Prosecutions) which can be completed by undertaking two electives and a research project of 12 credit points from the Master of Laws Course Program. Refer to the General Course Rules: www.uow.edu.au/handbook/generalcourserules

Course Requirements

Students are required to satisfactorily complete 24 credit points from the subjects listed in the Course Program.

Subjects		Credit Points
LWPD900	Prosecutorial Practice*	6
LWPD901	Applied Criminal Law*	6
LWPD902	Advanced Criminal Evidence*	6
LWPD907	International Law and Criminal Jurisdiction	6
LWPD909	Studies in Transnational Crime and Transnational Criminal Law	6
LWPD912	Prosecuting International Humanitarian Law	6
LWPD914	Comparative Criminal Justice	6
LWPD915	Criminal Appellate Advocacy	6
LWPD916	Prosecuting Transnational Economic and Cyber Crime	6
LWPD919	Special Studies in Prosecutions	6
LWPD925	DNA for Lawyers	6
LWPD926	Experts and their Evidence*	6

* Students enrolled at Wollongong must complete these subjects.

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

Graduate Certificate in Maritime Studies

Testamur Title of Degree:	Graduate Certificate in Maritime Studies
Abbreviation:	GCertMaritimeStud
Home Faculty:	Law
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	32
Starting Session(s):	Spring
Location:	Australian Defence College, Canberra
UOW Course Code:	1139, AN139
CRICOS Code:	N/A

Overview

This program is designed to meet the professional education requirements of the Royal Australian Navy.

Entry Requirements / Assumed Knowledge

The program is open to Officers of the Royal Australian Navy and their civilian equivalents in the Department of Defence who possess an undergraduate degree or its equivalent and/or satisfy the entry requirements of the Navy for entry to the Command and Staff College.

Course Requirements

Students are required to satisfactorily complete 32 credit points from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
CMP 901	Strategy and Sea Power	8
CMP 902	Law of the Sea	8
CMP 905	Legal Regulation of Shipping	8
CMP 908	Contemporary Maritime Issues in the Asia-Pacific Region	8

Credit Towards Other Courses

Students who have successfully completed this program may articulate into the Master of Maritime Studies.

Professional Recognition

This course meets the professional education requirements of the Royal Australian Navy.

Graduate Certificate in Transnational Crime Prevention

Testamur Title of Degree:	Graduate Certificate in Transnational Crime Prevention
Abbreviation:	GCertTransCrimePrev
Home Faculty:	Law
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1137
CRICOS Code:	037085G

Overview

This program is designed for students from law enforcement agencies and the private sector, including police, customs, anti-corruption, immigration, banking, finance, accounting and other institutions from Australia, the Asia-Pacific region and beyond.

Entry Requirements / Assumed Knowledge

Students should be graduates or have extensive relevant experience at a high level. The programs are delivered in English and require competency in the language.

English language requirements:

IELTS overall band 6.0 with a minimum of 6.0 in both reading and writing, 5.5 in listening and speaking.

Course Requirements

Students are required to satisfactorily complete 24 credit points from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
LEGL929	Transnational Crime Prevention*	6
LEGL952	Cyber Crime	6
LEGL954	International Corporate Crime	6
LEGL955	Issues in Comparative Criminal Justice	6
LEGL957	Security Intelligence and Policy	6
LEGL958	Studies in International Criminal Law	6
LEGL959	International Cooperation and Transnational Crime	6
LEGL960	Understanding Transnational Crime*	6
LEGL962	Special Studies in Transnational Crime	6
LEGL963	Terrorism and Counter Terrorism	6
LEGL964	Transnational Financial Crime	6

*These subjects are compulsory for students who intend to enrol in the Master of Transnational Crime Prevention.

Credit Towards Other Courses

Students who successfully complete this program are guaranteed entry into the Master of Transnational Crime Prevention.

SUBJECT DESCRIPTIONS

CMP 901 Strategy and Sea Power

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The course will cover the following issues: the Mahanian legacy, the great White Fleet, the Gunboat Diplomacy, the Washington Disarmament Conference, Power in the Pacific, the Pacific War, the Cold War and the Nuclear Age, ANZUS and the Radford-Collins Agreement, the Asia-Pacific Regional Context, Lehman and the Forward Maritime Strategy, the New World Order.

CMP 902 Law of the Sea

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject will cover the following: the history of international ocean management regimes; the 1982 Law of the Sea Convention; the Law of Armed Conflict of the Sea; the international legal regulation of marine resources; the protection of the marine environment; and law and order at sea.

CMP 903 Australian Maritime Power

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The course deals with the historical evolution of Australian maritime power from a naval perspective. Topics covered include: international oceans politics; the uses of the sea; the development of national oceans policy; regional maritime policy issues in the Asia-Pacific; maritime and security arrangements in the Asia-Pacific region; Australia's maritime science and technology plan; co-operative arrangements for regional maritime surveillance and maritime transport.

CMP 904 Maritime Regulation and Enforcement

Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The course focuses on the specific enforcement and regulatory powers, and responsibilities of states in the various maritime zones of jurisdiction, i.e. the territorial sea, the EEZ, continental shelf and high seas. Relevant policy and legal considerations in the development and enforcement of maritime jurisdiction will be covered.

CMP 905 Legal Regulation of Shipping

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The course addresses the legal and regulatory frameworks relevant to shipping. It comprises two main elements: 1. The International Regulatory Framework, including: the Law of the Sea Convention; the role of the IMO; IMO related conventions; regional regulatory frameworks; and the arrest and detention of ships. 2. The Australian Domestic Regulatory Framework, including: the constitutional framework; the administrative framework; the Navigation Act; marine insurance; and salvage.

CMP 906 Comparative Oceans Policy

Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The course analyses policy implications of increased sea use, comprising the following aspects: the conceptual basis for an integrated national ocean policy; the integration of national sectoral interests such as marine industries and other stakeholders; integrating ocean and coastal management; Australia's Oceans Policy; ocean policy developments in other parts of the world; and regional cooperation and management of shared ocean space, especially within the Southeast Asia.

CMP 907 Maritime Security Law and Policy

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Maritime Security Law and Policy addresses the emerging international policy and regulatory framework being developed and implemented in response to post-9/11 maritime security threats. It also examines selected regional and national regulatory measures, including Australia's policy and legislative responses and relevant American measures. Topics to be covered include: the Law of the Sea Convention; the Convention for the Suppression of Unlawful Acts Against the Safety of Maritime Navigation 1988 (SUA Convention), including the Protocol for the Suppression of Unlawful Acts Against the Safety of Fixed Platforms Located on the Continental Shelf 1988 (and the 2005 Protocols to each); the International Ship and Port Facility Security (ISPS) Code; International Maritime Organization guidelines on combating piracy; regional responses by organizations such as APEC and the ASEAN Regional Forum; PSI and bilateral U.S. ship-boarding agreements; the Container Security Initiative and C-TPAT (U.S.); Australian responses such as JOPC, AMIS and new legislation; shortcomings and implementation challenges of new regulatory requirements; and emerging developments and technologies, such as long-range identification and tracking (LRIT) of vessels.

CMP 908 Contemporary Maritime Issues in the Asia-Pacific Region

Autumn	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This course deals with the leading maritime issues in the Asia-Pacific region, including: maritime territorial disputes (South China Sea, Taiwan, East China Sea, Kuriles); piracy/

sea robbery; archipelagic sea lane passage; military operations in the EEZ; confidence-building; naval cooperation and competition; and maritime terrorism.

CMP 909 International Marine Environmental Law

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject covers International marine environmental law and conventions, including Part XII of the Law of the Sea Convention and Agenda 21; the specific concerns with, and importance of, the marine environment; important international conventions impacting upon the use and protection of the marine environment, and the domestic and international legal and policy implications of those conventions; the state of world and regional fisheries, and the legal and political efforts to sustain fish stocks.

CMP 910 Selected Topic in Maritime Studies

Spring Wollongong Distance
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: 10,000 word research paper in an approved topic in maritime studies.

CMP 911 Research Project in Maritime Studies

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: 10,000 word research paper in an approved topic in maritime studies.

CMP 912 Minor Thesis in Maritime Studies

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 16
Pre-requisites: None
Co-requisites: None
Subject Description: 20,000 word minor thesis in an approved topic in maritime studies

CMP 913 Integrated Marine and Coastal Management

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject covers: 1. The processes and importance of marine and coastal environments 2. Marine and coastal resources, ecological systems and ecosystem services. 3. The factors involved with integrated coastal zone management. 4. Planning for integrated management: roles, components, parties and processes.

CMP 914 International Fisheries Law

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The course addresses: 1. The Law of the Sea Convention framework for international fisheries law; 2. Shortcomings of the Law of the Sea framework; 3. Post-Law of the Sea fisheries instruments; 4. Fisheries enforcement; 5. Regional fisheries management organisations; 6. Fisheries sector dispute settlement.

CMP 915 Fisheries Management

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject addresses: 1. Fisheries allocation and property rights and stakeholders; 2. Implementation instruments and national policy considerations; 3. National enforcement regimes; 4. Dispute settlement and litigation; 5. Ecological assessment of fisheries.

CMP 916 Fisheries and Development

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the interrelationship between science, economics, the environment, trade, law and policy in the management of fisheries resources. It appraises the global nature of fisheries and fishing activities; issues related to the globalization of fisheries; and the challenges facing fisheries management and governance among states, particularly developing states. It demonstrates how important the fisheries sector can be to economic development, and links this to concepts such as human security, interdependence and the development of regional and international forms of governance of transnational fisheries issues.

CMP 917 Integrated Monitoring, Control and Surveillance

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the role of monitoring, control, and surveillance (MCS) in supporting sustainable fisheries. It looks at the operational and practical aspects of fisheries data collection methods, licensing procedures, enforcement and prosecution. It explores the use of technology in the implementation of fisheries regulations, including a (non-assessed) training component on vessel monitoring systems (VMS) - a particularly important practical element that takes advantage of the unique ANCORS capacity of expertise in vessel tracing. The subject also surveys existing regional MCS schemes and further introduces the component of 'compliance' which is not included in the traditional concept of MCS.

CMP 918 International Fish Trade

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the

international trade of fish and fish products as an important component of sustainable fisheries. It provides an extensive discussion of the interaction between international fisheries law and trade law. Examples of topics to be covered in this subject include: health and sanitary requirements for fish processing and trade; trade of commercially-exploited species under the Convention for the International Trade of Endangered Species of Wild Fauna and Flora (CITES); fisheries subsidies; and World Trade Organisation (WTO) fisheries and environment-related disputes.

LAW 960 Legal Studies For Professionals

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject is divided into three components. The first is designed to develop a grasp of the nature and processes of law; the second introduces the area of commercial transactions; and the third explores a range of legal duties which arise in business contexts.

LAW 969 Occupational Health and Safety Law

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
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 Occupational Health and Safety Act 2000 and the Occupational Health and Safety Regulations 2001.

LAW 970 Banking and Financial Institutions Law

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: Bachelor of Commerce specialising in Finance or approval by the Head of Department
Co-requisites: None
Subject Description: The legal framework establishing, controlling and regulating financial institutions, including the Reserve Bank, banks, money market dealers and securities. The law dealing with financial money market instruments, particularly bills of exchange, promissory notes and cheques. Legal basis of the relationship between financial institutions and their clients. The law of securities - nature and types of securities; capacity and authority of borrowers entering transactions; remedies available to secured lenders.

LAW 980 International Business Law

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: LAW 319 or LLB 319
Subject Description: This subject will contain some selected legal and regulatory framework of international business. Special emphasis will be given to the legal issues related to drafting contracts, and rights and obligations of parties to a business transaction under the current legal regime governing international business. The topics may include: introduction to international and comparative law relevant to international business; formation and interpretation of international contracts for goods and services; transportation of goods; international protection of intellectual property; role of national governments and international organisations in international business; formation, operation and regulation of international business entities; and resolution of international commercial disputes, financing international business transactions, international investment and securities regulation.

LAW 993 Research Essay

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
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 3 of the session of enrolment.

LAW 994 Legal Research Proposal

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: LAW993 or equivalent
Subject Description: This subject will provide students with the skills to develop a research proposal suitable for research at Master's level, and to choose an appropriate methodology for carrying out the research. It will explore the range of approaches available to legal researchers at a time when legal research is in a considerable state of flux. Traditional approaches based on detailed analysis of case law and legislation will be compared and contrasted with socio-legal approaches which rely on theoretical and methodological inputs from other disciplines. In particular, the relevance of empirical research to the issues of implementation and law reform, both qualitative and quantative, will be examined. After completing the subject, students will be in a position to pursue more detailed studies in relation to their methodology of choice.

LAW9302 Law of Business Organisations

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: LAW960
Co-requisites: None
Exclusions: LAW 302 Law of Business Organisations
Subject Description: This subject considers the key features of the different legal structures which people might adopt for their business and voluntary activities. The legal regulation of a partnership and a company incorporated under the Corporations Act 2001 (Cth), are considered in depth. Practical applications of the law, and public policy dimensions, are addressed throughout. Specific topics covered include: choice of form of business organisation; partnership (formation, internal and external relations, partnership property and dissolution); and corporations law, including registration, regulation, financial reporting and auditing, promoters and pre-registration contracts, internal and external relations, company finance, duties of directors and officers, member's rights, options available in cases of financial difficulty, and winding-up.

LAW9317 E-Commerce Law

Not on offer in 2010
Credit Points: 6
Pre-requisites: 24 credit points of Master of Electronic Commerce
Co-requisites: None
Exclusions: LAW317, LLB317
Subject Description: The subject explores some of the more significant legal and regulatory issues that e-commerce gives rise to. The internet and other digital communications technological developments provide a new platform for commercial activity and today constitute a new marketplace- the cyber-marketplace. How does familiar commercial law operate in that market-place? What are the special characteristics of the new market-place? On the back of either or both those considerations, do problems arise that legal developments are needed to address? What policy public considerations apply to reveal problem areas and enable us to formulate and evaluate possible 'solutions'. Some problem areas have already been revealed and prompted legal developments. Are they working and delivering the desired solution? This subject involves students exploring these questions. The areas of law traversed include jurisdictional matters, contract and consumer protection, privacy, relevant aspects of intellectual property law (in particular copyright, patents and trademarks), and cybercrime. The perspectives of on-line traders, consumers and other interest groups are weighed in the analysis. The goal is to see if we can advance the realization of e-commerce's social, economic and, perhaps, market transformative potential.

LAW9380 Law for Environmental Managers

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 72 credit points in a discipline other than Law or enrolled in MEnvSc
Co-requisites: None
Exclusions: LAW334 or LAW380
Subject Description: The goal of this subject is to enable students to develop a critical understanding of the law in relation to the broad notion of ecologically sustainable development in Australia, with an emphasis on biodiversity conservation in both Commonwealth and NSW jurisdictions. It focuses on, inter alia, key legislation, statutory planning instruments, assessment of development proposals, new conservation mechanisms such as offsetting, on-reserve and off-reserve conservation management, climate change and the role of the Courts

LEGL929 Transnational Crime Prevention

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: LEGL960 Understanding Transnational Crime
Subject Description: This subject will examine the idea of crime prevention as applied to transnational crime. Taking a broad, contextual approach it looks at different options for reducing the amount of transnational crime (TNC) and/or the harm associated with different forms of TNC. It will look at current policies in this area, as well as new and emerging approaches, and assess the more promising approaches available for these purposes. It will also include: criminalisation approaches, harm reduction approaches, environmental design and target-hardening, and; social and economic crime prevention methods.

LEGL952 Cyber Crime

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will start with a review of the fundamental values, rights and laws that govern (or attempt to govern) cyberspace. We then examine the various treaties, agreements and memoranda that exist to support the upholding of the law, and contrast these with an examination of where laws do not exist or are inadequate. The subject then looks at organized crime, examining examples of cyber crime and demonstrating the tools that can be used when committing cyber crimes. Students will complete several hands-on activities that demonstrate how easy these IT tools are to use. We will also demonstrate some of the difficulties that law enforcement encounters when attempting to gather evidence and build a case in order to prosecute a cyber criminal. Finally the subject reviews the underpinning social and personal impacts -the values in society that are being affected by cyber crime. We look to the future to see what evolutions may be on the horizon in relation to the future of cyber crime and cyber crime prevention

LEGL954 International Corporate Crime

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: LEGL 954 International Corporate Crime explores issues dealing with a number of forms of international corporate crime including fraud, money laundering, tax evasion and tax havens, securities offences, corporate structures including holding companies and subsidiaries and directors' responsibilities. Case studies and relevant examples drawn from the academic literature and media sources will be used to demonstrate concepts, identification and investigation of international crime and problems associated with addressing criminal activities using corporate vehicles especially those that transcend national boundaries. Given the increasingly global and sophisticated nature of corporate activity, there is a need for public and private sector regulators, legal, accounting and audit practitioners, law enforcement and others engaged in corporate oversight to have an understanding of the risk that corporations will be used as vehicles for international criminal activity.

LEGL955 Issues in Comparative Criminal Justice

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on issues of transnational crimes and human rights in the European Union and Islamic contexts. It aims to offer a comparative platform to appreciate better the interconnection between local and transnational criminal justice issues. Firstly, it explores how the Italian system moved from inquisitorial criminal proceedings towards an adversarial model, and

the impact on the fight against the Mafia. Secondly, it will focus on the European Union and its work in the area of transnational crimes. Particular emphasis will be given to the so-called 'Third Pillar' and to the European Court of Justice. Thirdly, it will examine Shariah law proceeds with a review of divine sources before considering substantive and procedural aspects in more detail. This component also pays particular attention to current debate amongst Islamic legal scholars. These debates pertain to the content and evolution of Shariah, scope for 'human rights' within a Shariah framework and political exploitations of the call to 'jihad'. This module explores the fluidity of systems and mechanisms as they expand and adapt in response to a changing global society

LEGL956 Major Research Project - Transnational Crime Prevention

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students will research and write a dissertation of approximately 12,000 words, on a subject selected by the student and approved by the subject coordinator. The student should approach the topic from an international and comparative law perspective drawing together different threads of the Master of Transnational Crime Prevention (MTCP) program undertaken by the student in light of the students experience and background. Where appropriate, assistance from external experts is encouraged.

LEGL957 Security Intelligence and Policy

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In the first part of this subject, students look at the issue of defining intelligence. What is its difference to evidence? What is the difference between data, information and intelligence; and the types of intelligence. Students will then progress to looking at the development of intelligence philosophies, including the major themes of intelligence and major historical developments in the intelligence field. In this regard they will look at notorious intelligence failures and subsequent reforms, and how the new transnational security agenda impact on the intelligence environment. Students then move on to looking at intelligence communities, and where and why they exist. They will examine the Australian intelligence community and other intelligence led organisations and assess the strengths and/or weaknesses of collaborative intelligence relationships, both in Australia and internationally. Finally, students will examine the ethical and legal dimensions of intelligence, and the accountability, oversight and governance responsibilities of those that administer its collection.

LEGL958 Studies in International Criminal Law

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides students with an overview of basic principles of jurisdiction to prescribe and enforce criminal law under international law. It examines the development of international criminal law principles and institutions such as the International Criminal Court. It also traces the development of transnational crime instruments such as the UN Convention against Transnational Organized Crime and its protocols on people smuggling, trafficking in persons and firearms trafficking and the OECD Convention Combating Bribery of Foreign Public Officials. The nature and scope of criminal justice cooperation mechanisms such as extradition, mutual legal assistance and international transfer of prisoners are also discussed. Reference is made throughout the course to the implementation of international law principles on criminal jurisdiction into Australian law and practice. Particular attention is also given to developments in the Asia Pacific region surrounding Australia. Developments in other jurisdictions, particularly he European Union, on criminal justice cooperation will be discussed to assist in analysis of Australian and Asia Pacific practice.

LEGL959 International Cooperation and Transnational Crime

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the politics of international relations and major theories of state cooperation. It aims to provide students with the tools to examine and interpret the interplay between state power, law and global politics. Along with states we will consider international bodies and institutions (themselves the creation of states) to attempt to understand the political geography of controlling and combating transnational organised crime. Of most interest to us in this subject are the ways and the reasons shy states both cooperate with each other and sometimes refuse to cooperate. We examine the development of transnational crime within a world of rapid information and financial transfers, and the difficulties this poses for state law enforcement based on sovereignty and territorial jurisdiction.

LEGL960 Understanding Transnational Crime

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject starts by looking at how transnational and organised crimes (TOC) are defined, then turns to the history of these ideas. The next theme is the measurement, assessment and research of these topics. Then, different approaches to understanding and explaining TOC are examined. A number of case studies are then considered: global drug trafficking, outlaw motorcycle gangs, transnational environmental crime, corruption, and people smuggling. Guest lecturers will be used to deliver on some of the material to be covered. By the conclusion of the subject (including the assessment required), students will have a thorough orientation to the phenomenon of TOC in general, be able to research, think critically and discuss in writing and orally on key themes arising in the area, and possess a detailed appreciation of several major forms of TOC.

LEGL961 Minor Research Project - Transnational Crime Prevention

Autumn Wollongong Distance
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will research and write a dissertation of approximately 7,000 words, on a subject selected by the student and approved by the subject coordinator. The student should approach the topic from an international and comparative law perspective drawing together different threads of the Master of Transnational Crime Prevention (MTCP) program undertaken by the student in light of the students experience and background. Where appropriate, assistance from external experts is encouraged.

LEGL962 Special Studies in Transnational Crime

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject affords students the opportunity to engage with a visiting expert in that expert's area of specialisation, enabling students to gain further insights into transnational crime issues. The student will demonstrate an understanding of a specialised subject in the context of transnational crime prevention, analyse the strengths and weaknesses within the selected topic and conduct independent research to achieve the outcomes and objectives of the subject.

LEGL963 Terrorism and Counterterrorism

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover historical origins and evolution of modern terrorism; ideologies and strategies of terrorist organisations; motivations for joining and the radicalisation process; terrorism and the media; major terrorist organisations and their life cycles; chemical, biological, radiological and nuclear terrorism; terrorist support networks; analytical tools for effective threat assessment; current and future trends and strategies to prevent and counter the threat.

LEGL964 Transnational Financial Crime

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject focuses on the financial system, both domestically and internationally, the payments systems that underpins the financial system, financial crimes and abuses that involve those systems and methods of regulating, protecting and strengthening the financial system.

LEGL965 Issues in Transnational Security

Not on offer in 2010
Credit Points: 6
Pre-requisites: LEGL958 Studies in International Criminal Law
Co-requisites: LEGL957 Security Intelligence and Policy
Subject Description: Transnational security issues can be described as non-military threats that stretch across international borders and threaten the political and social foundations of nations and the safety and security of their inhabitants. Transnational security threats include terrorism, maritime piracy, arms trafficking, illegal migration, infectious disease and environmental degradation, among others. Increasingly security arrangements are being developed through inter-governmental or multilateral organisations. How the transnational community monitors and responds to these threats is a major challenge in the 21st century security environment.

LLB 843 Professional Practice

Annual Wollongong Flexible
Autumn Wollongong Flexible
Spring Wollongong Flexible
Spring2010/ Autumn2011 Wollongong Flexible
Credit Points: 8
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB844
Exclusions: LLB 847 and LLB396
Subject Description: The subject includes: Professional Responsibility and Competent Practice; Problem Analysis; Dispute Resolution; Cross-cultural Communication; Electronic Research; Writing and Drafting and Professional Experience Program. Students attend on-campus for an introductory session and thereafter meet the requirements of the Professional Experience program in law-related employment or in a placement arranged by the Practical Legal Training Unit. The requirements of this subject are not completed until all components of professional experience and assignments are completed.

LLB 844 Practice Management

Annual Wollongong Flexible
Autumn Wollongong Flexible
Spring Wollongong Flexible
Spring2010/ Autumn2011 Wollongong Flexible
Credit Points: 8
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB843 or LLB396
Subject Description: This subject will introduce students to the statutory and professional requirements in relation to clients' Trust monies and securities, and to principles of practice management including computerised accounting and recording systems, costing, risk management and related matters. The subject contains three inter-related modules: Trust and Office Accounting; and Law Office Management.

LLB 845 Conducting Litigation

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 16
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: (LLB396 or LLB843) and LLB844
Subject Description: The subject includes: Litigation Strategy; Civil Litigation Practice; Criminal Law Practice; Family Law Practice and Advocacy workshop

LLB 846 Commercial and Property Practice

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 16
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: (LLB396 or LLB843) and LLB844
Subject Description: The subject includes: Commercial Planning; Revenue Implications; Real Property Transactions; Commercial Contracts; Trusts, Wills and Estate Planning; Probate and Estate Administration; Small Business Practice. The subject provides an overview of particular aspects of commercial and property transactions, and related matters which affect clients in planning their business and personal affairs.

LLB 847 Professional Experience

Annual Wollongong Flexible
Autumn Wollongong Flexible
Spring Wollongong Flexible
Spring2010/
Autumn2011 Wollongong Flexible
Credit Points: 0
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB396 Professional Practice
Exclusions: LLB843 Professional Practice (Professional experience component)
Subject Description: As part of the GDLP students must complete 80 days of professional experience. Some of this is acquired by Wollongong LLB students as part of the subject LLB311/LLB190 Lawyers and Australian Society. Apart from engaging in professional experience in locations and of the type specified in the LLB843 guidelines, there are no classes or assignments involved other than to submit a reflective report on conclusion of the experience.

LLB9100 Introduction to Legal Systems

Not on offer in 2010
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: An overall perspective on the Australian legal system and its role in the Australian social order; an introduction to the sources and authority of legal rules, the nature of legal institutions and practices, legal materials, reasoning and terminology. Aspects of substantive law will be used to illustrate general principles

LLB9337 Comparative Studies in Law

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: LLB9100
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.

LWPD900 Prosecutorial Practice

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: LWPD923
Subject Description: This subject provides a thorough introduction to the prosecutorial office and the unique responsibilities and ethical obligations attaching to it, both in theory and as applied in practice, for example as in the consideration of charges and pleas, leading exculpatory evidence, jury selection etc. Students will also learn about the key relationships between the prosecutor and other entities, such as the Court, witnesses, defence, media and police. Avoiding miscarriages of justice will be a major theme.

LWPD901 Applied Criminal Law

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject complements Advanced Criminal Evidence by examining commonly encountered, and frequently complex, issues of the substantive criminal law. To prosecute or undertake criminal defence effectively, students must understand not only the laws of evidence but also the substantive criminal laws relevant to the crime(s) charged and available defences. Criminal law as taught at the undergraduate level introduces basic working principles such as mens rea, actus reus etc. This subject seeks to build on these fundamental understandings by considering how these principles apply in more complex fact situations, as may be raised in cases of alleged party liability and inchoate offences.

LWPD902 Advanced Criminal Evidence

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A sound knowledge of the laws of evidence is fundamental to prosecuting. This subject seeks to expand upon undergraduate teaching by examining in greater detail the laws of evidence as they specifically apply in the criminal context.
A detailed treatment of prosecution relevant aspects of criminal evidence including: the oath; unsworn evidence; competence and compellability; judicial notice; rule in Browne v Dunn; real evidence; exhibits; probity v prejudice test; multiple accused / charges and admissibility; hostile/refractive witnesses; the ultimate issue; hearsay and exceptions; inferences/circumstantial evidence; best evidence rule; 'accomplice' testimony; privilege; similar fact; character evidence; corroboration; previous convictions; statements made in presence of accused; admission by action; lies and false alibi; motive

LWPD907 International Law & Criminal Jurisdiction

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the relationship between international law and criminal jurisdiction. Topics include: the recognised sources of international law; the relationship between international and domestic law; the distinctions between international and transnational law and between prescriptive and enforcement jurisdiction; the legally accepted justifications and uses for extraterritorial jurisdiction and the complexities of universal jurisdiction; the roles of mutual legal assistance and extradition; the jurisdiction

of international criminal tribunals; sovereign and diplomatic immunity; and military as compared to civilian criminal jurisdiction in the context of terrorism trials.

LWPD909 Studies in Transnational Crime & Transnational Criminal Law

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the structure and operations of key organised criminal and terrorist networks as well as their common modus operandi. Specific topics include the deleterious effects of corruption and the trafficking routes of drug, people and arms traffickers. Additionally, this subject examines the principal international responses to these networks, including the international conventions against drugs, trafficking, corruption and organised crime, their protocols and the international agencies established to enforce them.

LWPD910 Cooperation in International Criminal Justice

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the political imperatives that govern the operation of mutual legal assistance and transnational cooperation. Theories of international cooperation are discussed before an examination of cooperation in criminal matters. The subject considers where cooperation is and is not forthcoming from states and some of the explanations about why states act in the ways they do. The subject deals with legal issues but is taught from a political viewpoint, concentrating on the realpolitik of international relations. Particular issues addressed are state security and how it affects cooperation in criminal justice and specific cases of bilateral and multilateral cooperation in prosecuting the perpetrators of genocide, politicide, homicide, drug trafficking, human trafficking and other crimes. It deals both with UN international criminal tribunals and the other bodies created by states to control or manage crime and to prosecute criminals.

LWPD912 Prosecuting International Humanitarian Law

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: As attested by the creation of the International Criminal Court, international humanitarian law is of ever increasing significance. Moreover, International Humanitarian Law is enforceable, and is being enforced, through both international and domestic courts. This subject examines not only the substantive laws that comprise International Humanitarian Law but also the critical aspect of enforcement. Topics include: The Geneva Conventions; War crimes; Crimes against humanity; Goals of International Criminal Justice; Competing models for delivery of International Criminal Justice: international tribunals and courts; hybrid bodies; domestic prosecutions; truth and reconciliation commissions.

LWPD913 Prosecuting Cybercrime

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Cybercrime poses unique challenges to law enforcement and prosecution. Cybercriminals are easily conferred, 'virtual anonymity'. Their crimes frequently span multiple jurisdictions. Criminal laws developed for the 'real world' may be inapplicable to cyberspace. Encryption and other technological advances frequently stymie criminal investigation - yet efforts to counter the cybercriminal's tools-in-trade raise valid civil liberties and privacy concerns. The gathering of digitally stored information often entails highly technical procedures that, upon any ensuing prosecution, will require explication to the court. This subject addresses the unique challenge of cybercrime, the range of responses available and the techno-legal knowledge required to successfully prosecute cybercrime offences.

LWPD914 Comparative Criminal Justice

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Domestic prosecution has an ever-expanding international dimension. Prosecutions of foreign nationals, extraditions, reliance upon mutual legal assistance arrangements and off-shore tracing of criminal proceeds are becoming commonplace. The imperatives of cross-border law-enforcement cooperation are such that prosecutors must come to understand the operation of foreign criminal justice systems. Moreover, international criminal tribunals are ascending both in stature and, through their shaping of international human rights norms, legal significance. These tribunals are a multi-jurisdictional melting pot of procedure and substantive law. This subject compares what may be very loosely termed the 'Adversarial' and 'Inquisitorial' systems as well as those systems founded upon Shari'a law. The criminal process and, in particular, the specific role of the prosecutor within the inquisitorial and Shari'a systems is examined.

LWPD915 Criminal Appellate Advocacy

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject addresses appellate advocacy from both legal and, through a number of advocacy exercises, practical perspectives. Legal topics include: appellable error - questions of law v questions of fact; the case stated; amending the record; supplementing the record; evidence on appeal; appeals against discretion; appeals against weight; 'miscarriage of justice' proviso; fresh grounds; grounds not advanced in lower court; drafting and presenting submissions; orders: declarations, retrial, acquittal.

LWPD916 Prosecuting Transnational Economic and Cyber Crime

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None

Co-requisites: None
Subject Description: This subject provides students with an understanding essential to the prosecution of modern economic crime by examining the anti money laundering and proceeds of crime environment. The subject considers money laundering typologies and the use of corporate structures, financial arrangements and financial facilities, tax evasion and tas havens in the context of money laundering. International arrangements and developments intended to reduce the incidence of money laundering are also examined. In addition the subject considers proceeds of crime issues by examining civil and conviction based confiscation and associated procedures. The subject will look at restraining orders and other procedures intended to locate, restrain and forfeit assets subject to proceeds of crime proceedings. The subject seeks to both impart highly practical knowledge relevant to the prosecution of economic crime and an awareness of related issues

LWPD918 Technical & Forensic Evidence

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to those forensic sciences and technical practices most commonly encountered in criminal trials and provides insights as to how derived evidence is commonly presented. The dominant themes are DNA analysis and forensic psychiatry. Lesser emphasis is placed on pathology, crime scene interpretation (including blood pattern interpretation), the analysis of prints and marks and forensic imaging, (including comparative imaging in ballistics and finger/foot/shoe prints). Class matching & statistical analysis is also discussed in these contexts.

LWPD919 Special Studies in Prosecutions

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject permits the inclusion of an in-depth study of a particular aspect of prosecutions that is within the specialisation of a visiting or resident expert and that otherwise would not be offered. Subject content is dependent upon the specialisations of visiting experts.

LWPD920 Prosecutions Research Project

Annual	Wollongong	Distance
Autumn	Wollongong	Distance
Spring	Wollongong	Distance
Spring2010/ Autumn2011	Wollongong	Flexible

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject affords students the opportunity to complete a substantial piece of academic writing and to explore particular areas of personal interest or relevance. Students will research and write a dissertation of approximately 12,000 words on a subject selected by the student and approved by the subject co-ordinator. The student should approach the topic from an international and comparative law perspective drawing together different threads of the Masters of Laws (Prosecutions) program in light of the student's experience and background. The dissertation must approach the area constructively and make recommendations for reform, legislative, institutional or otherwise. Assistance from external experts is encouraged, as is original research.

LWPD922 Research Paper in Prosecutions

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject affords students the opportunity to complete a substantial piece of academic writing relevant to prosecutorial practice and to explore particular areas of personal interest or relevance. Students will submit a proposal on and then research and write up a dissertation of approximately 12,000 words on a subject selected by the student and approved by the subject co-ordinator. Assistance from external experts is encouraged

LWPD923 Prosecutorial Practice

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: LWPD900
Subject Description: This subject provides a thorough introduction to the prosecutorial office and the unique responsibilities and ethical obligations attaching to it, both in theory and as applied in practice, for example as in the consideration of charges and pleas, leading exculpatory evidence, jury selection etc. Students will also learn about the key relationships between the prosecutor and other entities, such as the Court, witnesses, defence, media and police.

LWPD924 Court Practice

Not on offer in 2010
Credit Points: 6
Pre-requisites: LWPD903
Co-requisites: LWPD904 Advocacy Practicum
Subject Description: A trial is more than a forum for the clinical application of the laws of evidence to evidence itself. Rather, the criminal trial is a dynamic process practised within a constrained environment and entailing strategic decisions as to, for example, the evidence to be adduced, how it is to be adduced and what pre-trial applications might be useful. This subject teaches the technical and strategic aspects of the criminal lawyer's work in trial and at the sentencing stage. Role of judge and jury; jury selection and sequestering; the opening address; using the expert witness; prior inconsistent statements; adoption of out of court statements; hostile and refractory witnesses; 'giving evidence' through questioning and other improper modes of examination; hypothetical questions; agreed facts; order of witnesses; interpreters; technology in the courtroom; 'aids' for the jury; using the transcript; avoiding appealable error; considerations on summing up and defence closing addresses; judicial bias; verdict delay and instructions to the jury; majority verdicts. Principles and types of sentencing; the prosecutor at sentencing; the totality principle; 'taking into account' and sample charges; reports for the court.

LWPD925 DNA for Lawyers

Not on offer in 2010
Credit Points: 6

Pre-requisites: None
Co-requisites: None
Subject Description: DNA Technology has emerged as the most important scientific contributor to the criminal justice system of the past two decades. Developments in the technology and associated disciplines (maths, statistics, microbiology) and the prospect of a major new pathway (SNIP) cement the present and future place of DNA in the criminal process. It is a complex area and one that counsel must understand intimately in order to present or attack it. This subject gives to the science of DNA technology the degree of depth and breadth needed to ensure students have a balanced understanding of its several aspects.

LWPD926 Experts and their Evidence

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: LWPD921
Subject Description: This subject focuses primarily upon the legal issues surrounding the reception of expert evidence and teaching students how to lead expert evidence to cross-examine expert witnesses. It also covers emerging issues of expert witness immunity, liability to disciplinary processes, the development of Codes of Conduct plus the emergence of new positive duties of objectivity, independence and intellectual integrity.

LWPD928 Criminal Trial and Appellate Advocacy

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will give students great insights into important trial and appellate procedures, and particularly into the necessary and advanced skills of criminal advocates both before juries and appellate courts. They will be given practical training exercises and study the theory of advocacy and rhetoric. They will learn to express legal arguments in precise and attractive ways and will learn techniques of persuasion. They will learn to overcome weaknesses in their presentation style.

Faculty of Science

Member Units

School of Biological Sciences

School of Chemistry

School of Earth and Environmental Sciences

Courses Offered

Doctor of Philosophy
- Biological Sciences
- Chemistry
- Environmental Science
- Geography
- Geology
- Physics*

Master of Science – Research
- Biological Sciences
- Biotechnology
- Chemistry
- Geography
- Geology
- Medicinal Chemistry
- Physics*

Master of Environmental Science – Research

Master of Environmental Science - Advanced

Master of Environmental Science

Master of Science
- Biotechnology
- Environmental Biology
- Chemistry
- Coastal Planning and Management
- Medicinal Chemistry
- Medical Radiation Physics*
- Geology
- Human Geography
- Physical Geography

Master of Science and Management

Graduate Diploma in Science
- Biological Sciences
- Chemistry
- Human Geography
- Physical Geography
- Geology
- Physics*

Graduate Certificate in Spatial Science

* Refer to the Faculty of Engineering

For tuition fee information please see the following:

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

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

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Science
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per year
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	001243F (Lab), 020192K (non-Lab)

Overview

Candidates complete a major thesis and undertake a research project arranged in consultation with an appropriate member of staff, and approved by the Head of School, before enrolment. Doctoral theses must make a major original contribution to scientific knowledge in the chosen area of research.

Entry Requirements / Assumed Knowledge

An Honours degree of at least four years duration in a relevant discipline at Class II, Division 2, or higher (or equivalent).

Course Requirements

Candidates complete a Doctoral dissertation of approximately 60,000 – 80,000 words in length.

Students enrol in the appropriate major thesis subject.

Disciplinary Areas Available

- Biological Sciences
- Chemistry
- Environmental Science
- Geography
- Geology
- Physics*

*Refer to Faculty of Engineering

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/

Specific enquiries should be directed to the appropriate Academic Unit: School of Biological Sciences (02) 4221 3013, School of Chemistry (02) 4221 3509 or School of Earth and Environmental Sciences (02) 4221 3721.

Master of Science - Research

Testamur Title of Degree:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Science
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery mode:	On campus
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1304, 1304A
CRICOS Code:	042532B, 042534M (Geography)

Overview

Courses provide for the specific needs and interests of students wishing to obtain experience in a modern research program.

Entry Requirements / Assumed Knowledge

Minimum entry requirement is a Bachelor degree with a major study in the relevant discipline.

Course Requirements

The course consists of 72 credit points to be completed in a maximum time of two years (four sessions), as follows:

- 24 credit points of coursework; and
- 48 credit point research project.

Students entering with a degree at the level of at least a Bachelor Honours Class II, Division 2 may be awarded credit transfer for the 24 credit points of coursework based on prior research training.

Students undertaking the 24 credit points of coursework will select appropriate postgraduate subjects from those offered in the discipline in consultation with the Head of School or the Postgraduate Coordinator.

For detailed possible coursework subject programs, consult the Master of Science by coursework degree in the relevant discipline.

Disciplinary Areas Available

- Biological Sciences
- Biotechnology
- Chemistry
- Geography
- Geology
- Medicinal Chemistry
- Physics*

* Refer to Faculty of Engineering

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/

Specific enquiries should be directed to the appropriate Academic Unit: School of Biological Sciences (02) 4221 3013, School of Chemistry (02) 4221 3509 or School of Earth and Environmental Sciences (02) 4221 3721.

Master of Environmental Science - Research

Testamur Title of Degree:	Master of Environmental Science - Research
Abbreviation:	MEnvSc-Res
Home Faculty:	Science
Duration:	1-2 years full-time depending on entry qualifications
Total Credit Points:	72
Delivery Mode:	On campus (Flexible and face-to-face)
Starting Session(s):	Autumn and Spring
Location:	Wollongong
UOW Course Code:	1312
CRICOS Code:	042533A

Overview

This program involves a major project in one of the many research areas of environmental science available in the Faculty. The research project will provide information for improved understanding of how ecosystems work, for solving environmental problems of immediate concern and to assist policy makers in developing new strategies and legislation for environmental management. This degree provides the opportunity for students to contribute to this work by undertaking a major research project in one of the areas of environmental science within the Faculty.

Entry Requirements / Assumed Knowledge

A degree with Honours in environmental science, science or engineering at a level of at least Class II, Division 2, or a Master of Environmental Science or Master of Science with credit average, or equivalent qualifications or appropriate publications and work experience.

Entry must be approved by the Coordinator and, if thesis work is being supervised by staff from an Academic Unit, the Head of that Unit.

Course Requirements

The course consists of 72 credit points to be completed in a maximum time of two years (four sessions), as follows:

- a 48 credit point research project (THES924 Thesis); and
- a maximum of 24 credit points of subjects, chosen from the Environmental Science postgraduate schedule in consultation with the Environmental Science Masters Coordinator.

Special Note: Students entering with an Honours degree at the level of at least Bachelor Honours Class II, Division 2, or a Master of Environmental Science degree (or equivalent) will normally be given credit transfer for the 24 credit points of coursework, except for candidates with no background in environmental science who will be required to complete ENVI922 Scientific Basis of Environmental Management (12 credit points).

Course Program

Subjects		Session	Credit Points
THES924	Thesis		48

Plus a maximum of 24 credit points of subjects chosen from those listed below in consultation with the Environmental Science Masters Coordinator.

ENVI923	Environmental Planning	Autumn	12
ENVI922	The Scientific Basis of Environmental Management	Spring	12
ENVI910	Directed Studies in Environmental Chemistry	Annual, Autumn or Spring	12
ENVI911	Directed Studies in Ecology	Annual, Autumn or Spring	12
ENVI913	Directed Studies in Earth Sciences	Annual, Autumn or Spring	12
ENVI919	Directed Studies in Environmental Science	Annual, Autumn or Spring	12
EESC902	Advanced Coastal Environments	Spring	12
EESC903	Advanced Fluvial Geomorphology and Sedimentology	Autumn	12
EESC904	Advanced Geographic Information Systems	Spring	12
EESC905	Advanced Remote Sensing	Spring	12
EESC912	Advanced Soils, Landscapes and Hydrology	Spring	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC950	Advanced Topic A	Annual, Autumn or Spring	12

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

The Degree Coordinator is Professor John Morrison, School of Earth and Environmental Sciences, Room 41.G27.

Master of Environmental Science Advanced

Testamur Title of Degree:	Master of Environmental Science Advanced
Abbreviation:	MEnvScAdv
Home Faculty:	Science
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn and Spring
Location:	Wollongong
UOW Course Code:	1412
CRICOS Code:	048589C

Overview

This degree is aimed primarily at international students, and combines research and coursework to provide a two-year (or part-time equivalent) degree for Science and Engineering graduates or others, with a limited undergraduate background in the environmental science area.

Entry Requirements / Assumed Knowledge

Bachelor degree in Environmental Science, Science, Applied Science, Agriculture, Forestry, Veterinary Science or Engineering, or equivalent tertiary qualifications and/or professional experience. Students must consult with the Environmental Science Masters Coordinator for approval of overall entry.

Course Requirements

Candidates must complete the three core subjects plus a Thesis of either 24 or 32 credit points plus elective subjects to total 96 credit points, as set out below.

Course Program

Subjects		Session	Credit Points
Core Subjects			
ENVI922	The Scientific Basis of Environmental Management	Spring	12
ENVI923	Environmental Planning	Autumn	12
STS 929	Studies in Resource and Environmental Policy	Autumn	8

Plus one of the following:

ENVI930	Thesis	Annual, Autumn or Spring	24
ENVI931	Thesis	Annual, Autumn or Spring	32
Plus one or two of the following:			
ENVE985	Environmental Engineering	Autumn	8
LAW9380	Law for Environmental Managers	Spring	8
STAT955	Sample Surveys and Experimental Design	Autumn	8
STS 300	The Environmental Context	Autumn	8
Plus at least two of the following:			
ENVI910	Directed Studies in Environmental Chemistry	Annual, Autumn or Spring	12
ENVI911	Directed Studies in Ecology	Annual, Autumn or Spring	12
ENVI912	Directed Studies in Land Resources	Annual, Autumn or Spring	12
ENVI913	Directed Studies in Earth Sciences	Annual, Autumn or Spring	12

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

The Degree Coordinator is Professor John Morrison, School of Earth and Environmental Sciences, Room 41.G27.

Master of Environmental Science

Testamur Title of Degree:	Master of Environmental Science
Abbreviation:	MEnvSc
Home Faculty:	Science
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn and Spring
Location:	Wollongong
UOW Course Code:	1500
CRICOS Code:	026171M

Overview

This program is designed for applicants who wish to extend their knowledge of science relating to the environment, by studying areas not covered in their undergraduate Science or Engineering degree (including environmental policy, planning and management).

Entry Requirements / Assumed Knowledge

Completion of a recognised Bachelor Degree in: Environmental Science; Science; Applied Science; Agriculture; Forestry; Veterinary Science or Engineering (or equivalent qualifications and/or professional experience).

Alternative Entry Criteria: The person would be required to have been working in a position for at least five years which, if they left, would be filled by an appropriately qualified graduate. Normally a written statement from a suitably qualified person, usually a senior manager with a strong science background, is required as confirmation of the necessary skills.

Course Requirements

Students will undertake a program of at least 48 credit points comprising two compulsory subjects, and optional subjects selected from the subjects listed below and approved by the Coordinator of the degree.

Course Program

Subjects		Session	Credit Points
ENVI922	The Scientific Basis of Environmental Management	Spring	12
ENVI923	Environmental Planning	Autumn	12
Plus at least 24 credit points chosen from:			
EESC901	Advanced Plate Tectonics, Macrotopography and Earth History	Autumn	12
EESC902	Advanced Coastal Environments	Spring	12
EESC903	Advanced Fluvial Geomorphology and Sedimentology	Autumn	12
EESC904	Advanced Geographic Information Systems	Spring	12
EESC905	Advanced Remote Sensing	Spring	12
EESC912	Advanced Soils, Landscapes and Hydrology	Spring	12

Subjects		Session	Credit Points
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC926	Advanced Resources and Environments	Spring	12
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8
ENVE985	Environmental Engineering	Autumn	8
ENVI910	Directed Studies in Environmental Chemistry	Annual, Autumn, or Spring	12
ENVI911	Directed Studies in Ecology	Annual, Autumn, or Spring	12
ENVI912	Directed Studies in Land Resources	Annual, Autumn, or Spring	12
ENVI913	Directed Studies in Earth Sciences	Annual, Autumn, or Spring	12
ENVI919	Directed Studies in Environmental Science	Annual, Autumn, or Spring	12
LAW9380	Law for Environmental Managers	Spring	8
STAT955	Sample Surveys and Experimental Design	Autumn	8
STS 929	Studies in Resource and Environmental Policy	Annual, Autumn, or Spring	8

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

The Degree Coordinator is Professor John Morrison, School of Earth and Environmental Sciences, Room 41.G27.

Master of Science

Testamur Title of Degree:	Master of Science
Abbreviation:	MSc
Home Faculty:	Science
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1616, 1616A
UAC Code:	Not applicable
CRICOS Code:	Master of Science (Laboratory) 067084D Master of Science (Non-Laboratory) 069587J

Overview

This coursework degree is designed for candidates who wish to extend their grounding in a particular science discipline beyond the undergraduate level. It also provides an alternative route to subsequent PhD studies for high performing students who do not possess a Bachelor of Science (Honours) degree. Students who graduate from this degree would be expected to obtain jobs in relevant industries, research institutes and government departments in both Australia and overseas.

Entry Requirements / Assumed Knowledge

Normally a Pass Bachelors degree of at least three years' duration in the relevant discipline (with at least three third year level subjects in the discipline) or a similar tertiary qualification, with relevant work experience, as approved by the relevant Masters Coordinator or Head of School.

Course Requirements

Students in the Master of Science complete a common core of 24 credit points and a Major Study of 48 credit points.

Common core subjects

Subject		Session	Credit points
SCIE911	Fundamentals of Science Communication	Autumn/Spring	6
SCIE912	Fundamentals of Science Practice	Autumn/Spring	6
SCIE913	Fundamentals of Science Data and IT	Autumn/Spring	6

SCIE914	Current Questions in Science	Autumn/Spring/Summer	6

Major Study Areas

- Biotechnology
- Chemistry
- Coastal Planning and Management
- Environmental Biology
- Geology
- Human Geography
- Medicinal Chemistry
- Physical Geography

Other Information

For further information regarding any of the Master of Science majors please contact the Faculty of Science Office, 41.258, or telephone (02) 4221 3530.

Web site: www.uow.edu.au/science

Master of Science (Biotechnology)

The Master of Science (Biotechnology) is designed for graduates who seek knowledge and technological expertise in specific areas of cell and molecular biology, which are the basis for modern biotechnological research and development. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects as listed below chosen in consultation with the Biotechnology Masters Coordinator.

Subjects		Session	Credit Points
BIOL980	Biotechnology	Autumn	12
BIOL981	Molecular Cell Biology	Autumn	12
BIOL982	Infection and Immunity	Spring	12
BIOL984	Applied Bioinformatics	Spring	12
Optional Subjects			
The following subjects may be substituted for one or more of the core subjects after consultation with the Biotechnology Masters Coordinator.			
BIOL991	Major Research Project	Autumn, Spring or Summer	24
BIOL992	Literature Review	Autumn, Spring or Summer	12
BIOL993	Research Project	Autumn, Spring or Summer	12

The Coordinator of this Major is Dr Ren Zhang, School of Biological Sciences, Room 35.124B.

Master of Science (Chemistry)

This program is designed for applicants from industry or education who wish to extend their grounding in chemistry theory beyond the undergraduate level. It also provides an alternative route to subsequent PhD studies for students who do not possess a BSc (Honours) degree. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects from the following list, as approved by the Course Coordinator.

Subjects		Session	Credit Points
CHEM914	Advanced Analytical Chemistry	Autumn	12
CHEM964	Elucidating Molecular Structure	Autumn	12
CHEM991	Intelligent Materials and their Applications	Spring	12
CHEM993	Advanced Organic Synthesis and Reactivity	Spring	12
CHEM994	Environmental Chemistry and Climate Change	Autumn	12
Possible substitutions:			
CHEM915	Chemistry Laboratory Project	Autumn or Spring	12
CHEM919	Literature Report in Chemistry	Autumn or Spring	12

The Coordinator of this Major is Associate Professor Stephen Ralph, School of Chemistry, Room 18.226.

Master of Science (Coastal Planning and Management)

This coursework program is designed to produce graduates able to assess, plan and manage the range of environmental and social issues experienced in coastal regions. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects from the following list, as approved by the Course Coordinator.

Subjects	Session	Credit Points

ENVI923	Environmental Planning	Autumn	12
Plus one subject selected from the following two subjects:			
EESC902	Advanced Coastal Environments: Processes and Management	Spring	12
EESC916	Coastal Population Studies	Autumn	12
Plus 24 credit points selected from:			
EESC902	Advanced Coastal Environments: Processes and Management	Spring	12
EESC904	Advanced GIS	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC916	Coastal Population Studies	Autumn	12
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8
ENVI912	Directed Studies in Land Resources	Annual, Autumn, or Spring	12
ENVI919	Directed Studies in Environmental Science	Annual, Autumn, or Spring	12
ENVI922	Scientific Basis of Environmental Management	Spring	12
LAW9380	Environmental Law	Spring	8
STS 929	Studies in Resource and Environmental Policy	Autumn	8

The Degree Coordinator is Professor John Morrison, School of Earth and Environmental Sciences, Room 41.G27.

Master of Science (Environmental Biology)

This coursework program is designed for students who seek further knowledge and skills in the biological sciences, or seek to qualify for a postgraduate research degree. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects as listed below, chosen in consultation with the Masters Coordinator.

Subjects		Session	Credit Points
BIOL970	Advances in Conservation Biology	Autumn	12
BIOL971	Marine and Terrestrial Ecology	Spring	12
BIOL972	Ecological and Evolutionary Physiology	Autumn	12
MARE973	Advanced Topics in Fisheries and Aquaculture	Spring	12
Alternative Option			
BIOL991	Major Research Project	Autumn, Spring or Summer	24
BIOL992	Literature Review	Autumn, Spring or Summer	12
BIOL993	Research Project	Autumn, Spring or Summer	12
MARE957	Advanced Topics in Molluscan Biology	Summer	12

Or 900- level subjects from other academic units subject to the approval of the Heads of those units and the Masters Coordinator

Note: Students cannot enrol in subjects where they have completed the equivalent 300- level subjects at this University.

The Coordinator of this Major is Associate Professor Ron West, School of Biological Sciences, Room 35.G11.

Master of Science (Geology)

The following coursework subjects have been devised by the School of Earth and Environmental Sciences to meet the needs of students who wish to proceed to the postgraduate level in Geology to enhance their qualifications in an area without undertaking a research project.

After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects chosen from the subjects listed below, in consultation with the Course Coordinator.

Subjects		Session	Credit Points
EESC901	Advanced Plate Tectonics, Macrotopography and Earth History	Autumn	12
EESC903	Advanced Fluvial Geomorphology and Sedimentology	Autumn	12
EESC904	Advanced Geographic Information Science	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC911	Advanced Isotope Geochemistry	Autumn	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC921	Advanced Environmental Geology	Spring	12
EESC926	Advanced Resources and Environments	Spring	12
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12

The Degree Coordinator is Professor John Morrison, School of Earth and Environmental Sciences, Room 41.G27.

Master of Science (Human Geography)

The following coursework subjects have been devised by the School of Earth and Environmental Sciences to meet the needs of students who wish to proceed to the postgraduate level in Human Geography to enhance their qualifications in an area without undertaking a research project.

After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects chosen from the subjects listed below, in consultation with the Course Coordinator.

Subjects		Session	Credit Points
EESC904	Advanced Geographic Information Science	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC910	Advanced Social Spaces: Rural and Urban	Spring	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC916	Coastal Population Studies	Autumn	12
EESC917	Advanced Spaces, Places and Identities: Qualitative research design	Autumn	12
EESC918	Advanced Environmental and Heritage Management	Spring	12
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12

The Degree Coordinator is Professor John Morrison, School of Earth and Environmental Sciences, Room 41.G27.

Master of Science (Medicinal Chemistry)

This coursework program provides vocational training in medicinal chemistry, an area where there is currently a high demand for graduates. The program consists of special coursework in medicinal chemistry and a small research project. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects, as approved by the Course Coordinator.

Subjects		Session	Credit Points
CHEM930	Introduction to Medicinal Chemistry	Spring	12
CHEM944	Advanced Topics in Medicinal Chemistry	Autumn	12
Plus two subjects (24cp) selected from:			
CHEM914	Advanced Analytical Chemistry	Autumn	12
CHEM964	Elucidating Molecular Structure	Autumn	12
CHEM992	Bioinformatics and Biological Chemistry	Spring	12
CHEM993	Advanced Organic Synthesis and Reactivity	Spring	12
Possible substitutions:			
CHEM915	Advanced Chemistry Laboratory Project	Annual, Autumn, or Spring	12
CHEM919	Literature Report in Chemistry	Annual, Autumn, or Spring	12

The Coordinator of this Major is Associate Professor Paul Keller, School of Chemistry, Room 18.222.

Master of Science (Physical Geography)

The following coursework subjects have been devised by the School of Earth and Environmental Sciences to meet the needs of students who wish to proceed to the postgraduate level in Physical Geography to enhance their qualifications in an area without undertaking a research project.

After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects chosen from the subjects listed below, in consultation with the Course Coordinator.

Subjects		Session	Credit Points
EESC901	Advanced Plate Tectonics, Macrotopography and Earth History	Autumn	12
EESC902	Advanced Coastal Environments: Processes and Management	Spring	12
EESC903	Advanced Fluvial Geomorphology and Sedimentology	Autumn	12
EESC904	Advanced Geographic Information Science	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC912	Advanced Soils, Landscapes and Hydrology	Spring	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC926	Advanced Resources and Environments	Spring	12
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12

The Degree Coordinator is Professor John Morrison, School of Earth and Environmental Sciences, Room 41.G27.

Master of Science and Management

Testamur Title of Degree:	Master of Science and Management
Abbreviation:	MScMgmt
Home Faculty:	Science
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1614, 1614A
CRICOS Code:	Master of Science and Management (Laboratory) 067083E
	Master of Science and Management (Non-Laboratory) 069588G

Overview

The Master of Science and Management is designed for candidates who wish to extend their grounding in a particular science discipline beyond the undergraduate level. It may provide an alternative route to subsequent PhD studies for high achieving students who do not possess a BSc (Honours) degree. The inclusion of the management component is intended to increase the graduate destination opportunities.

Entry Requirements / Assumed Knowledge

A pass Bachelors degree of at least 3 years duration in a relevant Science, as approved by the Head of School.

Course Requirements

Students will complete 24 credit points of common core subjects, 24 credit points of management subjects and 48 credit points selected from a major study within the Master of Science.

Course Program

Subjects		Session	Credit Points
Common Core Subjects			
SCIE911	Fundamentals of Science Communication	Autumn or Spring	6
SCIE912	Fundamentals of Science Practice	Autumn or Spring	6
SCIE913	Fundamentals of Science Data and IT	Autumn or Spring	6
SCIE914	Current Questions in Science	Autumn, Spring or Summer	6
Management Subjects			
Plus four of the following (or other subjects as approved by the Course Coordinator):			
TBS 901	Accounting for Managers	Autumn	6
OR			
TBS 980	International Financial Management	Autumn or Spring	6
TBS 903	Managing People in Organisations	Autumn or Spring	6
OR			
TBS 981	Managing in Multi-National Companies	Autumn	6
TBS 904	Marketing Management	Autumn	6
OR			
TBS 982	Marketing in a Global Economy	Autumn/Spring	6
TBS 905	Economic Analysis of Business	Spring	6
TBS 906	Information Systems for Managers	Spring	6
TBS 920	International Business Strategy	Autumn	6
OR			
TBS 984	International Business	Spring	6
TBS 930	Operations Management	Autumn	6
TBS 935	Project Management	Autumn or Spring	6
TBS 950	Quality in Management	Autumn or Spring	6
Major Study			

Plus 48 credit points of Science subjects selected from a major study in the Master of Science. Majors available include:

- Biotechnology
- Chemistry
- Coastal Planning and Management
- Environmental Biology
- Geology
- Human Geography

- Medicinal Chemistry
- Physical Geography

Other Information

For further information contact the Faculty of Science Office, Room 41.258, or telephone (02) 4221 3530.

The Degree Coordinator is Dr Katarina Mikac, Room 41.173, telephone: (02) 4221 3307, email: kmikac@uow.edu.au

Graduate Diploma in Science

Testamur Title of Degree:	Graduate Diploma in Science
Abbreviation:	GDipSc
Home Faculty:	Science
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	682
CRICOS Code:	007042M

Overview

The Graduate Diploma in Science provides graduates with the opportunity to acquire competence in a particular area of science at a sufficiently advanced level, to enable them to either proceed with further study or to update, broaden or intensify their knowledge and skills in the discipline.

The diploma will be found useful by international students, and by students either without a full major in a discipline at undergraduate level, or who completed their first degree some years ago.

The majors available are:

- Biological Sciences
- Chemistry
- Geography
- Geology
- Physics*

* Refer to the Faculty of Engineering

Entry Requirements / Assumed Knowledge

A relevant undergraduate degree of at least three years' duration, or a similar tertiary qualification with relevant work experience.

Course Requirements

Candidates select subjects to the value of 48 credit points from the Undergraduate Science Schedule of subjects and must seek approval from the relevant Head of School, who may also specify other required subjects.

Other Information

For further information contact the Associate Dean, Associate Professor Paul Carr - Faculty of Science Office, Room 41.259, telephone (02) 4221 3172, email: pcarr@uow.edu.au.

Web site: www.uow.edu.au/science/

Specific enquiries should be directed to the appropriate Academic Unit: School of Biological Sciences (02) 4221 3013, School of Chemistry (02) 4221 3509 or School of Earth and Environmental Sciences (02) 4221 3721.

Graduate Certificate in Spatial Science

Testamur Title of Degree:	Graduate Certificate in Spatial Science
Abbreviation:	GCertSpatialSc
Home Faculty:	Science
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1178
CRICOS Code:	Not Applicable

Overview

The aim of this course is to provide students with a theoretical basis for, as well as practical experience in, applying geospatial technologies (Geographic Information Science or Remote Sensing, and to a lesser extent, GPS) within an environmental problem solving context using industry standard software. Please note that this course is only available part-time.

Entry Requirements / Assumed Knowledge

A Pass Bachelors degree of at least three years' duration in any Science or Information Technology related specialisation (including Geography) or a similar tertiary qualification, with relevant work experience, as approved by the Head of School

Course Requirements

Subjects		Session	Credit Points
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
Plus one of the following subjects:			
EESC904	Advanced GIS	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12

Other Information

The Degree Coordinator is Dr Marji Puotinen – School of Earth and Environmental Sciences, telephone (02) 4221 3589, email: marji@uow.edu.au.

SUBJECT DESCRIPTIONS

BIOL970 Advances in Conservation Biology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the science behind modern conservation biology, integrating ecology, ecological genetics and legislation. Emphasis is placed on understanding ecological and genetic principles, mastering laboratory and field skills and elementary mathematical modelling, and then placing these in the context of current legislation and other conservation instruments. Students use these skills and knowledge to assess a recent issue in conservation biology, as a critical review of methodology and conclusions.

BIOL971 Advanced Topics in Marine and Terrestrial Ecology

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
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. Literature review and project proposal examining contemporary research in ecology (tailored to the specialisations of MSc students enrolled in the subject).

BIOL972 Ecological and Evolutionary Physiology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
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

BIOL980 Biotechnology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
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. Protein expression technology and industrial scale-up. Applications of Biotechnology to the fields of human therapeutics, agriculture, environment protection and forensic diagnostics. Bioinformatics, ethical and patent issues of Biotechnology.

BIOL981 Molecular Cell Biology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
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. Lastly, students undertake a 6 week research project (4 hours/week) which expands skills and experience with cell culture and studies of cell differentiation and function.

BIOL982 Infection and Immunity

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Completion of a suitable science or related undergraduate degree
Co-requisites: None
Subject Description: This is a coursework subject intended to provide students at MSc level 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. The overwhelming majority of students undertaking this subject are enrolled in the MSc(Biotechnology) degree, and take this as one of four subjects required for the 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 studied, including monoclonal and 'humanized' antibodies, and recombinant vaccines.

BIOL984 Applied Bioinformatics

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: A revolution is underway in Biological Sciences due to the impact of Genomics, Transcriptomics and Proteomics. These new technologies have transformed Biology from a data-poor to a data-rich science. Bioinformatics is concerned with the utilisation of this new data. Bioinformatics will be explored in lectures and computer-based 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,

compare and analyse biological data. Each student will prepare a literature research paper and deliver a seminar on a relevant aspect of Bioinformatics.

BIOL991 Major Research Project

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Summer 2010/2011	Wollongong	On Campus

Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: The student will undertake a research project on a topic in Biology and present a research report and seminar on a topic chosen by the supervising staff. The research can be undertaken in collaboration with industry or another recognised institution.

BIOL992 Literature Review Project

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Summer 2010/2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Under the supervision of staff the student will survey the biological literature and present a written report and a seminar on a topic chosen by the supervisory academic. Before enrolling in this subject, students need to identify a supervisor.

BIOL993 Research Project

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Summer 2010/2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Under the supervision of staff (nominated by the Masters Coordinator) the student will undertake a research project and present a written report and a seminar on a topic chosen by the supervising staff.

CHEM910 Research Skills Training

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides training in generic research skills such as data interpretation and analysis, library skills, literature evaluation, quality control and assurance, and Occupational Health and Safety. In addition, students will carry out directed studies in topics of advanced chemistry, chosen to complement their research interests, in discussion with the course Co-ordinator.

CHEM914 Advanced Analytical Chemistry

Autumn	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Chemical analysis is an essential part of solving problems in many scientific disciplines. In addition to its application to problem solving, analytical chemists are also interested in improving the way chemical analysis is performed, by making it faster, cheaper, more sensitive and less susceptible to interference. As a result, a vast array of instrumental methods has been developed, each one having its own strengths and weaknesses in a given application. In this subject, our interest is not in the numerical results of chemical analyses, but rather how we obtain these numbers and evaluate their reliability. The principles underlying common instrumental methods will be discussed in lectures, specifically: the measurement technique; instrument development and components; application of the instrument to analysis; and advantages and limitations of the instruments. The accompanying laboratory component will provide an opportunity for hands-on experience with analytical instrumentation.

CHEM915 Advanced Chemistry Laboratory Project

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Appropriate degree.
Co-requisites: None
Subject Description: Under the supervision of a staff member appointed by the Head of School, students will undertake a laboratory project and present a written report, poster and a seminar on a topic chosen by the supervising staff member.

CHEM919 Literature Report in Chemistry

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus
Summer 2010/2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Appropriate degree.
Co-requisites: None
Subject Description: Students in this subject undertake a literature search on recent advances in a research topic in chemistry. The topic is chosen in consultation with their supervisor and the course coordinator. A substantial report is the written outcome and the students meet in regular tutorials with their supervisor to discuss issues raised in the topic and compilation of the report.

CHEM930 Introduction to Medicinal Chemistry

Annual	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers chemical aspects of the design, physiological activity and metabolism of therapeutic/diagnostic drugs. The

theoretical component covers: cellular targets for drug action (theoretical aspects and case studies), an overview of approaches to drug discovery, structure-activity relationships and computer-aided methods physicochemical properties and drug action, stereochemistry/chirality and drug action, drug metabolism, drug resistance, pro-drug strategies and organic and inorganic medicinal agents. In addition a guest lecturer from a pharmaceutical company will give a 2 hour lecture on current issues and strategies for successful drug design, research and marketing. Students will also undertake electives on 'advanced' medicinal chemistry topics. Laboratory: The subject also includes a 13 week (3 hr/week) laboratory component which involves organic synthesis (combinatorial peptide synthesis, sulphonamide synthesis), characterisation techniques (nmr, UV/Vis, mass spectrometry, infrared spectroscopy), enzyme inhibition studies, and anti-bacterial testing.

CHEM940 Contemporary Topics in Biomolecular Chemistry

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This unit gives students a good grounding in modern aspects of biomolecular chemistry. The exact course of study will vary depending on the student's background and interests. It may include studies of advanced methods of synthesis; studies of molecular structure via spectroscopy and modelling; and biological chemistry and bioinformatics. In addition, students undertake a directed studies program. This will vary from student to student depending on their interests, but will involve a small project in which they are given a research problem in biomolecular science to solve. This may take the form of a synthetic target or data to analyse. Students will present their findings by means of a report.

CHEM944 Advanced Topics in Medicinal Chemistry

Autumn	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This is a specialist subject in aspects of medicinal chemistry and related areas. Topics can 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.

CHEM950 Contemporary Topics in Analytical and Environmental Chemistry

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This unit gives students a good understanding in modern aspects of environmental chemistry and related analytical techniques. The exact course of study will vary depending on the student's background and interests. It may include modules of study of: atmospheric processes and their chemistry; water and soil chemistry and analysis; environmental sampling; instrumental analysis; Quality Control/Quality Assurance/Total Quality Management. In addition, students undertake a small project in which they are given a research problem in environmental chemistry to solve. This may take the form of a pollution or remediation/disposal problem or data to analyse. Students will present their findings by means of a report.

CHEM964 Elucidating Molecular Structure

Autumn	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Determining the structure of a molecule is the key to unlocking its chemical or biological activity. 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. CHEM964 is a multi-faceted masters-level subject covering 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.

CHEM991 Intelligent Materials and their Applications

Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: CHEM991 is designed to provide students with an introduction to materials chemistry. It examines a variety of different classes of both traditional chemical materials such as organometallic compounds and typical synthetic polymers, as well as more modern materials including nanotubes, nanoparticles and inherently conducting polymers. In addition students learn

how other novel materials, including molecular machines, can be prepared by using weak intermolecular forces to form assemblies of molecules (supramolecular chemistry).

CHEM992 Bioinformatics and Biological Chemistry

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: CHEM992 is divided into three lecture strands of approximately equal length: (i) Bioinformatics, (ii) Biological macromolecules (proteins and nucleic acids) - structure and function, and (iii) Proteomics. In the practical course, 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. In addition, students will use their background in the knowledge of the structure of DNA and the ways in which drugs bind non-covalently with double-stranded DNA to investigate the stoichiometry of the binding of the minor groove binding drug, 4',6-diamido-2-phenyl indole (DAPI), to various DNA sequences. The technique to be used will be electrospray ionization mass spectrometry (ESI-MS).

CHEM993 Advanced Organic Synthesis and Reactivity

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to the theory and practice of modern organic chemistry. Topics covered include: Reactive intermediates (generation, determination, reaction) such as free radicals, carbenes, and arenes; Stereochemistry and enantioselective synthesis; NMR spectroscopy: including NMR theory and practical applications, spectra acquisition and interpretation, and physical detection of stereochemistry by NMR; Synthesis of carbocyclic compounds; Heterocyclic synthesis: reactions and applications of common heterocycles; Molecular modelling: hands-on experience with computer modelling.

CHEM994 Environmental Chemistry and Climate Change

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
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 and change with time. In this subject the chemical aspects are highlighted in strands including: atmospheric chemistry, aquatic chemistry and soil chemistry. This subject also investigates methods for assessing the chemical state of the environment.

EESC901 Advanced Plate Tectonics, Macrotopography and Earth History

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with GEOS923
Subject Description: This subject is concerned with the theory of plate tectonics and its role in the formation of Earth structures and topography. Large-scale processes are examined in relation to the controls of topography and bathymetry. Relationships between plates and ocean basins, continental margins, continental interiors and sedimentary basins are evaluated. Earth structure is examined along with earthquakes and deformation (stress, strain, faulting and folding). Earth history is 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.

EESC902 Advanced Coastal Environments: Processes and Management

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines sedimentary and ecological processes on the coast. Coastal management is considered from geomorphological and ecological perspectives. Topics include the morphology and development of coastal landforms, particularly estuaries, deltas, chenier and beach-ridge plains, beaches and dunes, and coral reefs. Emphasis is placed on interpreting Holocene morphostratigraphy and morpho-dynamics, reconstructing sea-level changes and the effect of sea-level changes on coastal environments, and on understanding longer-term ecological and geomorphological processes

EESC903 Advanced Fluvial Geomorphology and Sedimentology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
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. Particular attention is given to human modification and the management of river systems.

EESC904 Advanced Geographic Information Science

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: EESC914 or equivalent
Co-requisites: None
Subject Description: This subject builds upon the

concepts and software skills developed in EESC914 to develop your ability to act as 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. You will then follow this up with an intensive targeted literature review to further develop the research plan.

EESC905 Advanced Remote Sensing of the Environment

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: EESC914 or equivalent
Co-requisites: None
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 EESC904, 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. EESC905 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.

EESC909 Dung, Death and Decay: modern scientific methods in archaeology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
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 human occupants of these sites ate and drank, and other aspects of their life histories (e.g. migration patterns); and what kinds of environments these people inhabited, including the diversity of fauna and flora and the climates under which they lived and died.

EESC910 Advanced Social Spaces: Rural and Urban

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject requires postgraduate students to critically assess how geographers and others have theorised the global and national processes that shape the social, economic and spatial characteristics of Australian regions. Students will build upon insights from previous study to explore how contemporary urban and rural landscapes have been formed and how they are constantly being reshaped. They will draw upon theoretical perspectives including political economy and post-structuralism to explore varying accounts of these socio-spatial processes. Examples such as industry restructuring, rural/urban mythology and the development of Australian regional towns and cities will be used to make connections between processes at the various scales and specific aspects of Australian urban and rural life. Through workshops and assignments, students will further develop skills and knowledge in areas such as media analysis and the use of census and other data sources. In addition, students will complete an essay in which they evaluate theoretical perspectives on a topic chosen in conjunction with the subject co-ordinator. 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.

EESC911 Advanced Isotope Geochemistry

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Topics include sample preparation; mass spectrometry; applications of both radiogenic and stable isotopic systems; geochronology modelling; petrogenetic modelling.

EESC912 Advanced Soils, Landscapes and Hydrology

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
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, 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.

EESC914 Fundamentals of Spatial Science

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to provide students at the MSc level 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). Students enrolling in this subject will have no prior background in this area. Thus, they will require the same basic knowledge and skill development at the start of the subject as the undergraduate students (attending same lectures and practicals). However, towards the end of the semester (once the knowledge and skills have been obtained), they will be asked to conduct an extensive literature review and use it, combined with all they have learned throughout the semester, to develop a professionally written proposal for a spatial science project in their area of interest. This report will take several weeks of dedicated time to complete and is heavily weighted (40%) in the assessment of the subject.

EESC916 Coastal Population Studies

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
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. Practical classes are centred around core skills in population data management for coastal regions, social mapping and geographical information systems (GIS). The objective is that students will learn skills in handling data, critical thinking, group work and presentation skills.

EESC917 Advanced Spaces, Places and Identities: Qualitative research design

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: The lecture content is designed to enable postgraduate students to build upon their geographical knowledge by critically studying how geographers have conceptualised space/place. Drawing upon different approaches, this subject investigates the connections that have been made between place making processes and identity including gender, ethnic, sexual, tourist and national identity. The approaches drawn upon include structuralism and post-structuralism. Underpinning the design of the workshops is the objective that students will learn qualitative research skills. In these workshops, students are encouraged to gain proficiency in three areas: qualitative research, team-work and presentation skills. Employers often seek postgraduate students with demonstrated skills in these three areas. This subject is designed to enable postgraduate students to develop these skills.

EESC918 Advanced Environmental and Heritage Management

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject presents advanced 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 of ecosystems and the built environment. The subject is suitable for practitioners seeking to update their academic knowledge as well as for postgraduate students wanting to further develop their applied research skills.

EESC921 Advanced Environmental Geology

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Topics include the relationship between mining operations and communities; downstream pollution problems; mineralogical composition and types of associated dusts; composition of mine waters and stack emissions, the reclamation of mine sites; effects of mine subsidence; the composition, uses and disposal of waste residues; environmental impact studies; alienation of resources; conflicts of interest in mining operations.

EESC926 Advanced Resources and Environments

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Enrolment in MSc (Geology), MSc (Physical Geography) or MEnvSc
Co-requisites: None
Subject Description: This subject will examine the geological setting of various ore deposits and modern exploration techniques being employed to discover new deposits. It will have an applied approach focusing on the identification of common economic minerals and textures. Students will develop strong field observational skills around mineralized areas during a five day field mapping trip to mining districts around Orange/Parkes. They will be tested on their understanding of mineralizing processes in relation to different geological/tectonic environments. Students will be given a particular mine or prospect to critically review and apply the practical skills learnt in the field to evaluate the potential for further discoveries in the region. Developing the skills to fully research the geology and mining history of an area will accurately reflect the exploration process carried out in the mining industry.

EESC950 Advanced Topic A

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2010/ Autumn2011 Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will consist of a library and/or laboratory study on some topical aspect of earth and environmental sciences equivalent to one half of full-time study.

EESC951 Advanced Topic B

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Summer 2010/2011	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will consist of a library and/or laboratory study on some topical aspect of earth and environmental sciences equivalent to one third of full-time study.

ENVI910 Directed Studies in Environmental Chemistry

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program
Co-requisites: None
Subject Description: This subject is designed for MEnvSc students who do not have a strong background in chemistry. It aims to develop competency in Chemistry through a range of activities (lectures, practical work, report writing, etc.). The subject content is determined following a consideration of the individual students background and needs.

ENVI911 Directed Studies in Ecology

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program
Co-requisites: None
Subject Description: This subject includes coursework components that provide an introduction to organismic biology, including plant and animal diversity, principles of ecology and evolution, and the impacts of humans on ecosystems. Assessment is directed through the subject coordinator and will include a research report concerning an issue in environmental biology

ENVI912 Directed Studies in Land Resources

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program or MSc (Coastal Planning)
Co-requisites: None
Subject Description: This subject will examine coastal, river, water and soil management focussing on human induced changes to these natural systems. Emphasis will usually be given to geomorphological processes, remote sensing of land and biological resources.

ENVI913 Directed Studies in Earth Sciences

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program
Co-requisites: None
Subject Description: Topics include the relationship of mining operations to communities; composition of mine waters, dusts and stack emissions; reclamation of mine sites; effects of mine subsidence; the composition, uses and disposal of waste residues; environmental effects of pollution, erosion and deposition; environmental impact studies

ENVI919 Directed Studies in Environmental Science

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2010/ Autumn2011	Wollongong	On Campus
Spring2010/ Summer2010	Wollongong	On Campus
Summer 2010/2011	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program, MSc (Coastal Planning) or seek permission from the Coordinator of Postgraduate Environmental Science programs.
Co-requisites: None
Subject Description: In this subject students will undertake either a major literature review or carry out a practical study on a problem of current environmental interest. The work will normally be related to one of the ongoing activities of the Faculty of Science, giving the student the opportunity to become well acquainted with a particular aspect of environmental science. International students will be encouraged to undertake activities with significant relevance to their home countries.

ENVI922 Scientific Basis of Environmental Management

Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program or MSc (Coastal Planning)
Co-requisites: None
Exclusions: Not to count for credit with ENVI920
Subject Description: This subject covers topics designed to give students a comprehensive overview of the scientific basis of environmental management. The subject will adopt a multi-disciplinary approach to the scientific understanding of how major ecosystems work and show how an appreciation of such knowledge leads to the development of appropriate management strategies for these systems. While there will be some emphasis on the Australian situation, much of the material is applicable in any country. The systems to be covered include estuaries, reefs, coastal wetlands, forests, large and small catchment areas, and semi-arid areas. In addition, the science of the

management of hazardous wastes (including radioactive materials) will be discussed. Case studies from Australia, South-East Asia and the Pacific Islands will be included.

ENVI923 Environmental Planning

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program or MSc (Coastal Planning)
Co-requisites: None
Exclusions: Not to count for credit with ENVI921
Subject Description: This subject presents material necessary for a comprehensive overview of the status and development of environmental planning in government and industry. In the subject, students are introduced to the principles of environmental planning. This is followed by presentations from staff from a wide range of organisations involved in environmental planning. Students learn from academic staff and environmental practitioners, the mechanisms, difficulties and benefits of current planning activities in Australia. While there is some emphasis on the Australian situation, reference to activities in other countries is also included, in addition to aspects of the global situation regarding environmental planning.

ENVI930 Thesis

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2010/ Autumn2011 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: A research topic in an area of environmental science will be selected by each candidate after consultation with the degree co-ordinator. The thesis will be supervised by staff from the appropriate unit(s).

ENVI931 Thesis

Annual Wollongong On Campus
Spring2010/ Autumn2011 Wollongong On Campus
Credit Points: 32
Pre-requisites: None
Co-requisites: None
Subject Description: A research topic in an area of environmental science will be selected by each candidate after consultation with the degree co-ordinator. The thesis will be supervised by staff from the appropriate unit(s).

MARE973 Advanced Topics in Fisheries and Aquaculture

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
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; 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. Literature review examining contemporary research in ecology (tailored to the specialisations of MSc students enrolled in the subject).

SCIE911 Fundamentals of Science Communication

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to ensure that all students entering the Master of Science are aware of, and have opportunity to develop competency in, the types and level of language communications necessary for successful engagement in science subjects at UOW. Students will examine and produce various types of communication that learning (and assessing learning) in science depends on, including spoken and written reports for specific audiences. Reports will be based on published information, student lab notes and/or other data. The emphasis is on the development of practical skills in finding, using and re-purposing various types of scientific information, in using academic English and in teamwork, as well as on understanding the design and marking criteria of assessment tasks encountered throughout the degree program.

SCIE912 Fundamentals of Science Laboratories

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to ensure that all students entering the Master of Science (by course work) are aware of, and have the opportunity to develop competency in standard laboratory techniques and field skills that are necessary for successful engagement in science subjects at UOW. Fundamentals of Science Practice (SCIE912) draws upon the use and understanding of standard laboratory and field techniques while incorporating the use of scientific language (spoken and written) skills learnt in SCIE911 (Fundamentals of Communicating the Sciences) and the numeracy and statistical skills developed in SCIE913 (Fundamentals of Science Data & IT). Scientific reports in this subject will be based on laboratory (and field) practical exercises conducted in class. The emphasis is on the development of practical skills in the laboratory (and field) and consolidation of these skills with finding and interpreting scientific data, in using academic English and in teamwork, as well as on understanding the design and marking criteria of assessment tasks encountered throughout the degree.

SCIE913 Fundamentals of Science Data and IT

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to ensure that

all students entering the Master of Science are aware of, and have opportunity to develop competency and skills in descriptive and inferential data analysis and data manipulation that are necessary for successful engagement in science subjects at UOW. Students will explore and analyse scientific data fundamental to understanding how scientific data and information are generated and translated into peer reviewed scientific journal articles, conference presentations and Government/ industry reports. Data analysis in science draws upon use the use and understanding of data analysis and manipulation software and also incorporates the use of scientific language (spoken and written) skills learnt in SCIE911, Fundamental of Communicating the Sciences. Scientific reports in this subject will be based on data sets used in class. The emphasis is on the development of practical skills in finding, using and re-purposing various types of scientific data, in using academic English and in teamwork, as well as on understanding the design and marking criteria of assessment tasks encountered throughout the degree program.

SCIE914 Current Questions in Science

Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible
Summer 2010/2011	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to ensure that all students entering the Master of Science (by course work) are aware of, and have the opportunity to develop an understanding of current research issues in the major scientific disciplines of Biology, Physics, GeoScience and Chemistry that are necessary for successful engagement in science subjects at UOW. Current Questions in Science (SCIE914) integrates the: (1) use and understanding of standard laboratory and field techniques developed in SCIE12 (Fundamentals of Science Practice); (2) scientific language (spoken and written) skills learnt in SCIE911 (Fundamentals of Communicating the Sciences); and (3) numeracy and statistical skills developed in SCIE913 (Fundamentals of Science Data & IT). In SCIE912 emphasis is placed on the integration of literacy, numeracy and practical knowledge in science to interpret, evaluate and discuss current research in the core scientific disciplines of Biology, Physics, GeoScience and Chemistry. The integration of these skills are fundamental to gaining a solid grasp of modern/ current questions in science. Through the exploration of these scientific disciplines students will consolidate and apply their skills in science communication (orally and in a written format) and data analysis and interpretation. Teamwork is fostered through online discussion of topical issues in Biology, Physics, GeoScience and Chemistry

Sydney Business School

Courses Offered

Doctor of Philosophy
Doctor of Business Administration
Master of Business - Research
Master of Business Administration
Master of Business Administration Advanced
Master of Business Coaching
Master of Health Leadership and Management
Master of Health Services - Research
Master of International Business
Master of Management
Master of Project Management
Master of Retail Management
Master of Science (Logistics)
Master of Survey Research Methods
Graduate Diploma in Business Administration
Graduate Certificate in Business Administration
Graduate Certificate in Business Coaching
Graduate Certificate in Business
Graduate Certificate in Health Services Research and Development
Graduate Certificate in International Business
Graduate Certificate in Logistics
Graduate Certificate in Management
Graduate Certificate in Project Management
Graduate Certificate in Retail Management
Graduate Certificate in Survey Research Methods

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances
International - www.uow.edu.au/prospective/international/fees/

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Sydney Business School
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Supervised individual research
Location:	Innovation Campus (Wollongong)
UOW Course Code	201
CRICOS Code:	059329K

Overview

Candidates with demonstrated research potential, exhibited usually by a Bachelor Honours, Masters by Research degree or other Masters degree can apply to take a Doctor of Philosophy. Full-time study of three years, or the part-time equivalent, is normally required. Candidates will be expected to work under supervision on research projects related to their thesis area and may be required to complete coursework classes in order to acquire theory and develop methodological skills necessary for their doctoral research. Candidates for this degree enrol in the subject THES924 Thesis Full-time or, THES912 Thesis Part-time.

The following areas of research are some of the topics available to candidates undertaking the Doctor of Philosophy degree at the Sydney Business School:

- Logistics and Supply Chain Management
- Management systems
- Corporate Recovery and Turnaround Strategy
- Organisational Behaviour
- Financial Management of Enterprises
- Financial Restructuring
- Strategic Management
- Corporate Governance and Business Ethics
- International Business Strategy
- Labour Regulation in the Global Economy
- Public Policy and Public Administration
- Health Management and Policy Development

Applications must be accompanied by a 2,000 word proposal describing the candidates preferred area of research interest.

Other Information

Additional information is available from www.uow.edu.au/sbs or email sbs@uow.edu.au

Doctor of Business Administration

Testamur Title of Degree:	Doctor of Business Administration
Abbreviation:	DBA
Home Faculty:	Sydney Business School
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Starting Session(s):	Autumn at Innovation Campus (Wollongong)
Delivery Mode:	On campus (Face-to-face)
Location:	Innovation Campus (Wollongong)
UOW Course Code:	207
CRICOS Code:	047174A

Overview

The DBA is an advanced postgraduate research degree that focuses on professional business practice, providing experienced managers with research skills that can be applied to issues of organisational leadership. The course is designed to provide a framework that will enable participants to expand their knowledge in one or more business areas, drawing on the disciplinary expertise of faculties across campus. The course is designed to build on the existing strengths of the participants and provide a formal educational opportunity for them to develop and apply business research skills, enhance their understanding of contemporary management theories, and gain a competitive advantage in business.

Entry Requirements

Students will have as a minimum, a good first degree, but more commonly a master degree, for example a Master of Business Administration. Work experience is advantageous to students in selecting appropriate topics and in access to data sources. However, students with a master's degree and limited work experience may be accepted.

Applications must be accompanied by a 2,000 word proposal describing the candidate's preferred area of research interest. Research interests should be related to topics listed on the Sydney Business School website.

International applicants must also meet the University's English Language requirements as set out at www.uow.edu.au/future/international

Course Requirements

Candidates are required to complete six subjects plus a thesis (a combined total of 144cps) according to the list below.

Course Program

Compulsory Subjects		Credit Points
TBS997	Research Foundations 1: Literature Review	12
TBS996	Research Foundations 2: Research Methodology	12
TBS999	Research Proposal	24
TBS972	Current Issues in Business	12
TBS973	Business Development	12
TBS974	Research Development	24
THES912	Thesis Part Time or,	48
THES924	Thesis Full Time	48

Master of Business - Research

Testamur Title of Degree:	Master of Business – Research
Abbreviation:	MBus-Res
Home Faculty:	Sydney Business School
Duration:	1.5 years full-time or 3 years part-time
Total Credit Points:	72 cps
Starting Session(s):	Autumn at Innovation Campus (Wollongong) Intake A at Sydney campus
Delivery Mode:	On campus (Face-to-face)
Location:	Innovation Campus (Wollongong), Sydney
UOW Course Code:	1338, S1338
CRICOS Code:	068082J

Overview

The Master of Business – Research is designed for students who would like to study a higher degree research program, but are hesitant to commit to the Doctor of Philosophy (PhD) or the Doctor of Business Administration (DBA) degrees. The program is suitable for those who are working in middle management positions and aspire to progress to a senior management role. The coursework component of the degree will allow the students to develop the appropriate research skills to complete the thesis which follows.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised tertiary institution with an average of at least 60%.

Course Requirements

Candidates are required to complete 24 credit points of coursework and a 48 credit point thesis.

Course Program

Core Subjects		Credit Points
TBS 997	Research Foundations 1: Literature Review	12
TBS 996	Research Foundations 2: Research Methodology	12
THES912	Thesis Part Time or,	48
THES924	Thesis Full Time	48

Credit Transfer

The Master of Business – Research may be used as a pathway into the Doctor of Philosophy (PhD) or the Doctor of Business Administration (DBA). Upon completion of the MBR, students may apply to progress to the Doctor of Business Administration (DBA) with credit for subjects previously completed.

Master of Business Administration

Testamur Title of Degree:	Master of Business Administration and Master of Business Administration (Executive)
Abbreviation:	MBA, EMBA
Home Faculty:	Sydney Business School
Duration:	MBA: 1.5 years full-time or part-time equivalent EMBA: 2 years part time
Total Credit Points:	72
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney Business School EMBA: Intake A at Sydney Business School
Delivery Mode:	On campus (Face-to-face)
Location:	Sydney, Innovation Campus (Wollongong)
UOW Course Code:	MBA: 547_2, SC547_2 EMBA: 548, SC548
CRICOS Code:	061889D (For MBA course - 547)

Overview

The Master of Business Administration is designed for experienced professionals who wish to develop their managerial skills in order to operate effectively in an increasingly competitive and evolving global business environment. Our program is designed for those who are qualified in a specialised field and who wish to develop their business acumen and business skills. Master of Business Administration students develop a portfolio of key management competencies that range from strategic analysis and decision making skills through to an appreciation of global business challenges, complemented by people, financial, marketing and system analysis skills.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised tertiary institution with an average mark of at least 60%, along with a minimum of two years full-time relevant professional or managerial work experience.

International applicants must also meet the University's English Language requirements (Refer to the University's website at www.uow.edu.au/future/international for details).

Course Requirements

Candidates are required to complete twelve 12 subjects (72cps) according to the list below. There are nine (9) compulsory subjects (54 cps) plus three (3) elective subjects (18 cps) selected from other 900 level Sydney Business School or other 900 level subjects as approved by the Graduate Studies Advisor.

Course Program

Compulsory Subjects		Credit Points
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6
TBS 905	Economic Analysis of Business	6
TBS 906	Information Systems for Managers	6
TBS 907	Financial Strategy#	6
TBS 909	Corporate Governance	6
TBS 920	International Business Strategy*	6
TBS 921	Strategic Decision Making*	6

TBS 901 is a pre-requisite for TBS 907.

* These capstone subjects should ideally be undertaken only after all other compulsory subjects have been completed.

Two elective subjects that are highly recommended to students because they provide vital management skills are:

1. TBS 902 Statistics for Decision Making (required for those students who have not previously studied statistics, as this subject develops the skills necessary to complete other core MBA subjects); and
2. TBS 908 Supply Chain Management (provides an overview of overall product/ service development, outlining the dependency upon both internal and external parties)

Students may also apply to complete an individual research project as a 6 or 12 credit point elective subject. The project topic has to be pre-approved by the Graduate Studies Advisor.

Note: Students undertaking the program through the Sydney Business School will have a more restricted number of elective subjects available to them. However, students may also choose electives at the Wollongong campus or undertake cross-institutional study.

Master of Business Administration (Executive)

The EMBA is a tailored MBA program which is suitable for mature students in a senior management role or those aspiring to progress their career to a senior management position. For details regarding the program content and delivery, visit our website at www.uow.edu.au/sbs/courses.

Credit Transfer

Upon completion of the MBA with an average mark of at least 60 per cent, candidates may apply to progress to the Master of Business Administration Advanced with credit for previous subjects completed within the MBA.

Master of Business Administration graduates may also apply to enrol in one of the Business School's eight subject Masters degrees. Candidates may apply for credit for subjects completed under the MBA and will be required to complete a further six specified subjects (36 credit points) as determined by the Graduate Studies Advisor.

Candidates who have completed one of the Business School's eight subject Masters degrees or a selected range of Masters programs from the Faculties of Commerce, Health and Behavioural Sciences, Informatics, Engineering, and Education, and who meet the MBA entry requirements, may apply to enrol in the MBA program. Students may be eligible for credit for up to six subjects (36 credit points) towards the MBA.

Candidates should consult the Graduate Studies Advisor for further information.

Other Information

Our membership with the Australian National Business School (ANBS) enables our Master of Business Administration students to be able to transfer to other ANBS member Universities and have the flexibility to work temporarily interstate without disrupting their studies. Master of Business Administration students also have the opportunity to participate in South East Asian and European summer schools.

Master of Business Administration Advanced

Testamur Title of Degree:	Master of Business Administration Advanced
Abbreviation:	MBAAdv
Home Faculty:	Sydney Business School
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On campus (Face-to-face)
UOW Course Code:	1547, S1547
CRICOS Code:	048696M

Overview

The Master of Business Administration Advanced program offers students an extended MBA degree. The MBA Advanced program has a strategic focus designed for those students who require the knowledge, competencies and managerial skills necessary to operate in a challenging and changing global environment. The MBA Advanced program offers students the opportunity to further specialise in their area of interest by completing additional elective subjects.

Entry Requirements

Upon successful completion of the Master of Business Administration program with an average mark of 60 per cent, students may apply to progress to the MBA Advanced degree.

Course Requirements

In addition to the Master of Business Administration (MBA) course requirements, candidates will complete four additional 900 level elective subjects (24 credit points) from a specialisation discipline selected from the list below. The subject selection is to be determined in consultation with the School's Graduate Studies Advisor and the relevant Faculty's Course Co-ordinator.

Sydney Business School

- General Management **
- International Business **
- Logistics **

Faculty of Commerce

- Accounting
- Finance
- Economics
- Human Resource Management
- Information Systems

- Management
- Marketing

Faculty of Engineering
- Engineering
- Engineering Management
- Environmental Engineering
- Engineering Asset Management

Faculty of Health and Behavioural Sciences
- Health Management
- Public Health

Faculty of Informatics
- Internet Technology
- Electronic Commerce
- Information Technology Management
- Industry-based Information Technology
- Information and Communication Technology

** General Management, International Business and Logistics are the only specialisations offered at Sydney campus. All other specialisations must be completed at Wollongong campus.

Please contact the Graduate Studies Advisor for further information.

Master of Business Coaching

Testamur Title of Degree:	Master of Business Coaching
Abbreviation:	MBusCoach
Home Faculty:	Sydney Business School
Duration:	2 years part-time
Total Credit Points:	48
Starting Session(s):	Intake A at Sydney campus
Delivery Mode:	On campus (Face-to-face)
Location:	Sydney
UOW Course Code:	S1578
CRICOS Code:	N/A

Overview

The Master of Business Coaching has been designed to appeal to a broad range of people interested in business coaching including: those already working as business coaches without formal qualifications, internal business coaches working within companies, those working as individual or executive coaches who wish to strengthen their business understanding, consultants or counsellors who wish to develop their coaching skills, people undertaking a change of career and, managers who wish to develop coaching skills as part of their management approach.

The course focus is to apply coaching methodologies to business studies, covering content such as strategy, change management and people management, and techniques such as collaborative working and facilitation.

Entry Requirements

Applicants must have a recognised Bachelor degree of three years full-time (or part-time equivalent) duration.

International applicants must also meet the University's English Language requirements as set out at www.uow.edu.au/future/international

Course Requirements

Candidates are required to complete six core subjects plus two electives, totalling 48 credit points.

Course Program

Core Subjects		Credit Points
TBS 963	Introduction to Business Coaching	6
TBS 964	Applied Coaching Practice	6
TBS 965	Leadership and People Management	6
TBS 966	Business Coaching Strategy and Planning	6
TBS 967	Innovation, Improvement and Change Management	6
TBS 968	Business Coaching Research Paper	6

Students are to complete 12 credit points of elective subjects selected in consultation with the Course Co-ordinator after considering the student's existing knowledge, skills and career goals.

Credit Transfer

Upon successful completion of the Master of Business Coaching students may apply to enrol in another of the School's Masters programs and apply for credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Candidates should consult the Graduate Studies Advisor for further information.

Other Information

All applicants will be required to attend an interview conducted by the Sydney Business School.

Master of Health Leadership and Management

Testamur Title of Degree:	Master of Health Leadership and Management
Abbreviation:	MHlthLeadMgmt
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn, Spring, Summer
Delivery Mode:	On-campus (Face-to-face)
Location:	Innovation Campus (Wollongong)
UOW Course Code:	1567
CRICOS Code:	059753E

Overview

This course is designed for practicing health professionals seeking to develop their management and leadership skills.

This flexible program allows students to select from a variety of Graduate Certificate degrees and tailor their Masters program to suit their professional development requirements.

Entry Requirements

Students can enter the Master of Health Leadership and Management degree via either of the pathways detailed below:

Applicants with a Bachelor degree of at least three years duration from a recognised tertiary institution or equivalent, together with a minimum of two years full-time relevant work experience will be admitted to the Master of Health Leadership and Management degree. Upon commencement of the degree, students will nominate two Graduate Certificate degrees within the course structure.

Alternatively, applicants may apply to enrol in one of the Graduate Certificate degrees listed within the MHLM course structure, provided they meet the entry requirements as specified for this Graduate Certificate by the relevant Faculty. Upon successful completion of the Graduate Certificate with an average mark of at least 60 per cent, students may apply to progress to the Master of Health Leadership and Management with credit for previous studies completed.

Course Requirements

The Master of Health Leadership and Management requires the successful completion of 48 credit points of subjects in accordance with two of the Graduate Certificates listed below. Students who enrol directly into the Master of Health Leadership and Management will be required to meet with the Course Co-ordinator and discuss which two of the graduate certificate programs will comprise the course.

Those students who enrol initially in one of the Graduate Certificate degrees listed below will be eligible to progress to the Master of Health Leadership and Management upon successful completion with an average mark of at least 60 per cent. Eligible candidates articulate to the Master of Health Leadership and Management and complete a further 24 credit points of subjects, based on one of the other graduate certificate programs listed below.

At least one of the graduate certificate programs must be chosen from those offered by the Faculty of Health and Behavioural Sciences. As leadership is a core component of this program, students must either complete the Graduate Certificate in Health Leadership and Management OR successfully complete the subject TBS903 Managing People in Organisations within one of the other Graduate Certificates.

Faculty of Health and Behavioural Sciences

Graduate Certificate in Health Leadership and Management

Graduate Certificate in Health Practice Development and Facilitation

Graduate Certificate in Health Research

Sydney Business School

Graduate Certificate in Business Administration

Graduate Certificate in Logistics

Graduate Certificate in Management

Faculty of Informatics

To be advised.

Course structures for individual Graduate Certificate degrees can be found in the relevant Faculty's Handbook.

Credit

Candidates must successfully complete a total of 48 credit points across two graduate certificates; no credit will be granted for subjects completed in the first graduate certificate degree toward the second graduate certificate. Students who successfully complete one of the Graduate Certificate programs listed in the course requirements with an average mark of at least 60 per cent may apply to progress to the MHLM and receive credit for 24 of the 48 credit points required for the Masters.

Further Information

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Health Leadership and Management Coordinator

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Master of Health Services - Research

Testamur Title of Degree:	Master of Health Services - Research
Abbreviation:	MHlthServ-Res
Home Faculty:	Sydney Business School
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Intake A
Location:	Sydney
UOW Course Code:	1339
CRICOS Code:	N/A

Overview

The Master of Health Services (Research) is a research degree designed for experienced professionals who wish to develop their health research skills in order to operate effectively in an increasingly complex environment. This course is aimed to suit the needs of a wide variety of careers including those working in: policy, planning and public health units of health agencies, universities, health research units and centres, clinical units and other sections of the health industry. Master of Health Services (Research) students develop a portfolio of key research competencies that range from qualitative and quantitative research skills, to health economics and evaluation techniques and apply the core skills from the Graduate Certificate in Health Services Research to an approved research topic in the health services field.

Entry Requirements

Applicants must have a Bachelor degree from a recognised institution and at least 2 years relevant professional experience.

Course Requirements

Candidates will be required to complete 72 credit points as follows:

Core Subjects	Subject Name	Credit Points	Delivery method(s)
TBS975	Health Services Research Design	6	Lectures/tutorials
TBS976	Quantitative Analysis for Health Services Research	6	Lectures/tutorials
TBS977	Health Services Evaluation and Development	6	Lectures/tutorials
TBS978	Health Economics Principles and Research Methods	6	Lectures/tutorials
THES912/924	Health Services Research Thesis	48	Thesis

Master of International Business

Testamur Title of Degree:	Master of International Business
Abbreviation:	MIB
Home Faculty:	Sydney Business School
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48 cps
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
Delivery Mode:	On campus (Face-to-face)
Location:	Innovation Campus (Wollongong), Sydney
UOW Course Code:	597, SC597
CRICOS Code:	026342G

Overview

The Master of International Business program prepares students to succeed in managerial and professional positions in the global economy. The globalisation of the market place requires businesses to be increasingly innovative and competitive. Managers need to understand the complexities of global culture, political, economic, organisational and financial forces and recognise how they can impact on the success of their business.

This course examines the background of globalisation and teaches the management skills and competencies that are necessary in order to effectively operate in a truly global business environment.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised tertiary institution.

International applicants must also meet the University's English Language requirements. Refer to the University's website at www.uow.edu.au/future/international

Course Requirements

Candidates are required to complete a total of eight (8) subjects (48 cps) according to the list below.

Course Program

Core Subjects		Credit Points
TBS 908	Supply Chain Management	6
TBS 935	Project Management	6
TBS 980	International Financial Management	6
TBS 981	Managing in Multi-National Companies	6
TBS 982	Marketing in a Global Economy	6
TBS 983	International Business Environment	6
TBS 984	International Business Strategies*	6
TBS 913	Innovation Topics and Cases	6
OR		
TBS 923	Contemporary Issues in International Business	6

* This capstone subject is to be undertaken after a minimum of three core subjects have been successfully completed.

^Students may apply to complete either TBS961 Business Spanish Language and Culture or TBS962 Business Chinese Language and Culture as a substitute for TBS913 Innovation Topics and Cases or TBS923 Contemporary Issues in International Business.

Credit Transfer

Upon successful completion of the Master of International Business students may apply to enrol in another of the School's Masters programs and apply for credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Other Information

Candidates should consult the Graduate Studies Advisor for further information.

Master of Management

Testamur Title of Degree:	Master of Management
Abbreviation:	MMgmt
Home Faculty:	Sydney Business School
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face) at Innovation Campus (Wollongong), Sydney and Loftus campuses Video-conferenced to Bega, Batemans Bay, Moss Vale and Shoalhaven
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intakes A, B, C, D at Sydney, Loftus, Bega, Batemans Bay, Moss Vale and Shoalhaven
Location:	Innovation Campus (Wollongong), Sydney, Loftus, Bega, Batemans Bay, Moss Vale and Shoalhaven
UOW Course Code:	1553, SC553, LO553, BE553, BB553, MV553, SH553.
CRICOS Code:	048588D

Overview

The Master of Management provides an opportunity for practicing managers to enhance their career opportunities by developing further professional, personal and technical skills in key business areas. The Master of Management comprises eight subjects chosen from the overall portfolio of subjects offered at each campus in consultation with the Graduate Studies Advisor. The structure of this program is flexible in order to take into account individual professional development needs. Programs of study are negotiated on an individual basis with the Graduate Studies Advisor.

Entry Requirements

Applicants must have a Bachelor degree from a recognised institution with an average mark of at least 60 per cent.

International applicants must also meet the University's English Language requirements (refer to the University's website at www.uow.edu.au/future/international for details).

Course Requirements

Candidates will be required to complete eight (8) subjects (48 credit points) determined in consultation with the Graduate Studies Advisor.

Credit Transfer

Upon successful completion of the Master of Management, students may apply to enrol in another of the School's Masters programs and apply for up to 25 per cent credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Candidates should consult the Graduate Studies Advisor for further information.

Master of Project Management

Testamur Title of Degree:	Master of Project Management
Abbreviation:	MProjMgmt
Home Faculty:	Sydney Business School
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48 cps
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
Delivery Mode:	On campus (Face-to-face)
Location:	Innovation Campus (Wollongong) and Sydney
UOW Course Code:	1577, S1577
CRICOS Code:	061946M

Overview

Efficient project management provides organisations with improved ability to plan, implement and control their business activities. The growth of new forms of technology in project management has prompted organisations to look for skilled project managers who can enhance the performance of their businesses. The Master of Project Management equips students with comprehensive project management skills and teaches strategies for dealing with a broad range of issues encountered within business organisations.

Entry Requirements

Applicants must have a bachelor degree from a recognised institution with an average mark of at least 60%.

International applicants must also meet the University's English Language requirements as detailed at www.uow.edu.au/future/international

Course Requirements

Candidates are required to complete a total of eight (8) core subjects totalling 48 credit points.

Course Program

Core Subjects		Credit Points
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain Management	6
TBS 922	Management Project#	6
TBS 935	Project Management	6
TBS 936	Advanced Project Management*	6
TBS 950	Quality in Management	6

* TBS936 has a co-requisite of TBS935.

Topic to be negotiated with the Graduate Studies Advisor to meet individual students' development needs and work environment.

Credit Transfer

Upon successful completion of the Master of Project Management students may apply to enrol in another of the School's Masters programs and apply for credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Other Information

Candidates should consult the Graduate Studies Advisor for further information.

Master of Retail Management

Testamur Title of Degree:	Master of Retail Management
Abbreviation:	MRetMgmt
Home Faculty:	Sydney Business School
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48 cps
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
Delivery Mode:	On campus (Face-to-face)
Location:	Innovation Campus (Wollongong), Sydney
UOW Course Code:	1574, S1574
CRICOS Code:	061990G

Overview

Retailing is a major sector of the Australian economy. Globally, retailing is one of the fastest growth areas for employment. In recent years, retailers have had to deal with increased levels of competition, the growth of the internet, new forms of technology and consumers who are looking for better value together with higher quality service. As a result, retailers require managers with the necessary skills to tackle and meet those challenges.

The Master of Retail Management equips students with strategies for dealing with issues unique to retail and the education necessary to succeed in leadership roles within the sector.

Entry Requirements

Applicants must have a bachelor degree from a recognised institution with an average mark of at least 60%.

International applicants must also meet the University's English Language requirements as set out at www.uow.edu.au/future/international

Course Requirements

Candidates are required to complete eight core subjects totalling 48 credit points.

Course Program

Core Subjects		Credit Points
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6

TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain Management	6
TBS 922	Management Project*	6
TBS 945	Retail Management	6
TBS 946	Retail Marketing	6

* Topic to be negotiated with the Graduate Studies Advisor to meet individual students' development needs and work environment.

Credit Transfer

Upon successful completion of the Master of Retail Management students may apply to enrol in another of the School's Masters programs and apply for credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Other Information

Candidates should consult the Graduate Studies Advisor for further information.

Master of Science (Logistics)

Testamur Title of Degree:	Master of Science (Logistics)
Abbreviation:	MSc (Log)
Home Faculty:	Sydney Business School
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
Location:	Innovation Campus (Wollongong), Sydney
UOW Course Code:	574_1 (574C, S574C)
CRICOS Code:	042635F

Overview

This course is designed to provide professionals working in logistics and operations management, particularly in the manufacturing, transport, retail and service industries, with the skills to manage the flow of materials and information within and between organisations and their business environment. Students will learn how to implement a supply chain strategy within an organisation and develop skills in forecasting, production and service planning. An emphasis is given to information technology systems and computer programs as these are increasingly integral to successful supply chain delivery.

The Master of Science (Logistics) is accredited by the Chartered Institute of Logistics and Transport and the Chartered Institute of Purchasing and Supply.

Entry Requirements

Applicants must have a Bachelor degree in a relevant discipline, typically in Commerce, Engineering, Mathematics or IT, from a recognised institution, with an average mark of at least 60%. Applicants who have a Bachelor degree in other disciplines may be admitted, providing they have completed relevant work experience within the industry or a demonstrated understanding of the business environment.

International applicants must also meet the University's English Language requirements (refer to the University's website at www.uow.edu.au/future/international for details).

Course Requirements

Candidates are required to complete a total of eight subjects (48 cps) according to the list below.

Course Program

Core Subjects		Credit Points
TBS 908	Supply Chain Management	6
TBS 912	Quantitative Methods for Decision Making	6
TBS 918	Strategic Supply Chain Management	6
TBS 928	Logistics Systems	6
TBS 930	Operations Management	6
TBS 933	Procurement and Inventory Management	6
TBS 935	Project Management	6
TBS 950	Quality in Management	6

Credit Transfer

Upon successful completion of the MSc, students may apply to enrol in another of the School's Masters programs and apply for credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Other Information

Candidates should consult the Graduate Studies Advisor for further information.

Master of Survey Research Methods

Testamur Title of Degree:	Master of Survey Research Methods
Abbreviation:	MSurvResMethods
Home Faculty:	Sydney Business School
Duration:	2 years part-time
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Intakes A and C
Location:	Sydney
UOW Course Code:	1622
CRICOS Code:	N/A

Overview

The Centre for Statistical and Survey Methodology (CSSM) and the Sydney Business School (SBS) are working together to improving the quality of survey-based research in Australia by providing development opportunities and encouraging research into relevant survey research methodologies. A program consisting of a Graduate Certificate and coursework Masters degree will provide the foundations to the development of high quality professionals in survey methodology and research. The program is aimed at improving the quality of social, market and scientific research in Australia by providing development opportunities for people in government, industry and research centres and encouraging research into relevant methodologies. The course objective is to provide up-to-date and high quality education in survey methodology and research and to reinforce the position of CSSM at UOW as the premier centre of excellence in Australia in survey methodology.

Entry Requirements

Applicants must have a Bachelor degree from a recognised institution or 5 years relevant industry experience.

Course Requirements

Candidates will be required to complete 48 credit points as follows:

Subject Code	Subject Name	Credit Points	Delivery method(s)
SRMP901	Introduction to Research Design and Analysis for Surveys	6	Lectures/tutorials
SRMP902	Statistical and Data Collection Methods in Surveys	6	Lectures/tutorials
SRMP903	Survey Methods	6	Lectures/tutorials
SRMP904	Sample Design and Estimation	6	Lectures/tutorials

And 24 credit points from subjects listed below:

SRMP911	Project Management and Development for Surveys	6	Lectures/tutorials
SRMP912	Advanced Sample Design and Analysis	6	Lectures/tutorials
SRMP913	Survey Quality and Measurement	6	Lectures/tutorials
SRMP990	Minor Project in Survey Research Methods	6	Supervised project
SRMP991	Major Project in Survey Research Methods	12	Supervised project

Graduate Diploma in Business Administration

Testamur Title of Degree:	Graduate Diploma in Business Administration
Abbreviation:	GDipBA
Home Faculty:	Sydney Business School
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Location:	Innovation Campus (Wollongong), Sydney
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
Delivery Mode:	On campus (Face-to-face)
UOW Course Code:	1503, S1503
CRICOS Code:	029140E

Overview

The Graduate Diploma in Business Administration is available for students who wish to undertake a business administration program of shorter duration. The Graduate Diploma program is aimed at providing practising managers with core management competencies and skills. With a strategic focus, the course equips modern managers with conceptual tools and analytical and evaluation techniques.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised tertiary institution with an average mark of at least 60%, along with a minimum of two years full-time relevant professional or managerial work experience.

International applicants must also meet the University's English Language requirements (refer to the University's website at www.uow.edu.au/future/international for details).

Course Requirements

Candidates are required to complete eight (8) subjects (48 credit points) selected from the list of Master of Business Administration core subjects as approved by the Graduate Studies Advisor.

Credit Transfer

Upon completion of the Graduate Diploma in Business Administration, students may apply to progress to the Master of Business Administration (MBA) with credit for previous subjects completed within the Graduate Diploma. Applicants should consult the Graduate Studies Advisor for further information.

Graduate Certificate in Business Administration

Testamur Title of Degree:	Graduate Certificate in Business Administration
Abbreviation:	GCertBA
Home Faculty:	Sydney Business School
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
UOW Course Code:	1126, S1126
CRICOS Code:	029139J

Overview

The Graduate Certificate in Business Administration is available for students who wish to study the fundamental concepts of management. This program is aimed at providing practising managers with key management competencies and skills, including analytical and evaluation techniques.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised tertiary institution with an average mark of at least 60%, along with a minimum of two years full-time relevant professional or managerial work experience.

International applicants must also meet the University's English Language requirements (refer to the University's website at www.uow.edu.au/future/international/apply/english for details).

Course Requirements

Candidates are required to complete four (4) subjects (24 credit points) selected from the list of Master of Business Administration core subjects as approved by the Graduate Studies Advisor.

Credit Transfer

Upon completion of the Graduate Certificate in Business Administration students may articulate in to the Graduate Diploma in Business Administration or Master of Business Administration. Students may also apply for other programs and apply for credit for subjects completed under the Graduate Certificate.

Other Information

University of Wollongong Doctor of Philosophy (PhD) students enrolled in faculties other than the Sydney Business School and the Faculty of Commerce may apply to enrol in this degree concurrently. Candidates must be currently enrolled in a Doctor of Philosophy at the University of Wollongong in order to be eligible to apply. For further information, please contact the Sydney Business School.

Graduate Certificate in Business Coaching

Testamur Title of Degree:	Graduate Certificate in Business Coaching
Abbreviation:	GCertBusCoach
Home Faculty:	Sydney Business School
Duration:	1 year part-time
Total Credit Points:	24
Location:	Sydney
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Intake A at Sydney campus
UOW Course Code:	S1169
CRICOS Code:	N/A

Overview

The Graduate Certificate in Business Coaching gives students a foundation in business coaching and the opportunity to develop their coaching skills.

Entry Requirements

Applicants must have a relevant professional qualification (minimum 2 years full-time study) along with at least two years relevant professional work experience.

International applicants must also meet the University's English Language requirements as set out at www.uow.edu.au/future/international

Course Requirements

Candidates are required to complete four subjects (24 credit points) selected from the Master of Business Coaching core subjects, or other subjects as approved by the Graduate Studies Advisor after considering the student's existing knowledge, skills and career goals.

Credit Transfer

Upon successful completion of the Graduate Certificate in Business Coaching, students may articulate in to the Master of Business Coaching with credit for subjects completed under the Graduate Certificate.

Other Information

All applicants will be required to attend an interview conducted by Sydney Business School. For further information, please contact the Sydney Business School.

Graduate Certificate in Business

Testamur Title of Degree:	Graduate Certificate in Business
Abbreviation:	GCertBus
Home Faculty:	Sydney Business School
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
UOW Course Code:	1138, S1138
CRICOS Code:	061244G

Overview

The Graduate Certificate in Business is a pathway program leading to entry to a number of Master degrees offered by Sydney Business School. It can be packaged with an offer of admission to the following degrees:

- Master of International Business
- Master of Management
- Master of Project Management
- Master of Retail Management
- Master of Science (Logistics)

The Graduate Certificate may be suitable for students who do not meet either:

- The English language requirement for direct entry to a Master degree which requires an IELTS overall score of 6.5. The Graduate Certificate entry requirement is IELTS 6.0.

  or,

- The academic requirements for direct entry into Master degrees. For example, if you have a Bachelor degree but do not have the required content for direct entry, or have other appropriate combinations of academic qualifications and relevant professional experience.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised institution. Applicants with other academic qualifications and/or relevant professional experience (for example two years full-time study along with two years relevant work experience) may also be considered

International applicants must also meet the University's English Language requirements as set out at www.uow.edu.au/future/international

Course Requirements

Candidates are required to complete four (4) 900 level subjects (24 credit points) as approved by the Graduate Studies Advisor.

Credit Transfer

Upon successful completion of the Graduate Certificate in Business with an average mark of at least 60%, students may apply to enrol in either the Master of International Business, Master of Management, Master of Project Management, Master of Retail Management or Master of Science (Logistics) degrees. Students will not be eligible for credit transfer for subjects completed under the Graduate Certificate in Business pathway program towards their subsequent Masters degree.

Graduate Certificate in Health Services Research and Development

Testamur Title of Degree:	Graduate Certificate in Health Services Research and Development
Abbreviation:	GCertHlthServR&D
Home Faculty:	Sydney Business School
Duration:	6 months full-time or 1 year part-time
Total Credit Points:	24
Location:	Sydney
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Intake A
UOW Course Code:	1185
CRICOS Code:	N/A

Overview

The Graduate Certificate in Health Services Research and Development will equip students with basic skills required to understand and conduct health services research. It is designed for experienced professionals who wish to develop their health research skills in order to operate effectively in an increasingly complex environment. This course is aimed to suit the needs of a wide variety of careers including those working in: policy, planning and public health units of health agencies, universities, health research units and centres, clinical units and other sections of the health industry. Graduate Certificate in Health Services Research and Development students will develop a portfolio of key research competencies that range from qualitative and quantitative research skills, to health economics and evaluation techniques.

Entry Requirements

Applicants must have a relevant professional qualification (minimum Bachelor degree from a recognised institution) along with at least 2 years relevant professional work experience.

Course Requirements

Candidates are required to complete four core subjects (24 credit points) as follows:

Core Subjects	Subject Name	Credit Points	Delivery method(s)
TBS975	Health Services Research Design	6	Lectures/tutorials
TBS976	Quantitative Analysis for Health Services Research	6	Lectures/tutorials
TBS977	Health Services Evaluation and Development	6	Lectures/tutorials
TBS978	Health Economics Principles and Research Methods	6	Lectures/tutorials

Credit Transfer

Upon successful completion of the Graduate Certificate in Health Services Research and Development, students may apply to progress to the Master of Health Services - Research with credit for subjects completed under the Graduate Certificate.

Graduate Certificate in International Business

Testamur Title of Degree:	Graduate Certificate in International Business
Abbreviation:	GCertIntBus
Home Faculty:	Sydney Business School
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
UOW Course Code:	1141, S1141
CRICOS Code:	047005G

Overview

The Graduate Certificate in International Business provides candidates with the opportunity to study fundamental global business and management issues. This course has an international business strategy focus.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised tertiary institution.

International applicants must also meet the University's English Language requirements as set out at www.uow.edu.au/future/international/apply/english

Course Requirements

Candidates are required to complete four subjects (24 credit points) selected from the Master of International Business course structure as approved by the Graduate Studies Advisor.

Credit Transfer

Upon completion of the Graduate Certificate in International Business, students may articulate in to the Master of International Business degree. Candidates should consult the Graduate Studies Advisor for further information.

Graduate Certificate in Logistics

Testamur Title of Degree:	Graduate Certificate in Logistics
Abbreviation:	GCertLog
Home Faculty:	Sydney Business School
Duration:	6 months full-time or part-time equivalent
Minimum Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
UOW Course Code:	1142, S1142
CRICOS Code:	042560J

Overview

In the Graduate Certificate in Logistics degree, candidates will study the concepts of logistics and operations management. This course is designed for professionals and managers working within the logistics and operations management area, providing students with a foundation of skills required to manage the flow of materials and information within and between organisations.

The Graduate Certificate in Logistics is accredited by the Chartered Institute of Logistics and Transport and the Chartered Institute of Purchasing and Supply.

Entry Requirements

Applicants must have a Bachelor degree in a relevant discipline, typically in Commerce, Engineering, Mathematics or IT, from a recognised institution, with an average mark of at least 60%. Applicants who have a Bachelor degree in other disciplines may be admitted, providing they have completed relevant work experience within the industry, or a demonstrated understanding of the business environment.

International applicants must also meet the University's English Language requirements (refer to the University's website at www.uow.edu.au/future/international/apply/english for details).

Course Requirements

Candidates are required to complete four (4) subjects (24 credit points) selected from the eight (8) core Master of Science (MSc) (Logistics) subjects listed below:

Course Program

Subjects		Credit Points
TBS 908	Supply Chain Management	6
TBS 912	Quantitative Methods for Decision Making	6
TBS 918	Strategic Supply Chain Management	6
TBS 928	Logistics Systems	6
TBS 930	Operations Management	6
TBS 933	Procurement and Inventory Management	6
TBS 935	Project Management	6
TBS 950	Quality in Management	6

Credit Transfer

Upon completion of the Graduate Certificate in Logistics, students may apply to progress to the MSc (Logistics) degree with credit for previous subjects completed within the Graduate Certificate. Candidates should consult the Graduate Studies Advisor for further information.

Graduate Certificate in Management

Testamur Title of Degree:	Graduate Certificate in Management
Abbreviation:	GCertMgmt
Home Faculty:	Sydney Business School
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney, Batemans Bay, Bega, Loftus, Moss Vale, Shoalhaven
Delivery Mode:	On campus (Face-to-face) at Innovation Campus (Wollongong), Sydney and Loftus campuses Video-conferenced to Batemans Bay, Bega, Moss Vale and Shoalhaven
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intakes A, B, C, D at other campuses
UOW Course Code:	692, SC692, BB692, BE692, LO692, MV692, SH692
CRICOS Code:	020195G

Overview

In the Graduate Certificate in Management, students will study the fundamental concepts of management and management practice.

Entry Requirements

Applicants must have a relevant tertiary qualification along with at least two years relevant professional work experience.

Those applicants who have five years managerial work experience will be considered for admission.

International applicants must also meet the University's English Language requirements as set out at www.uow.edu.au/future/international

Course Requirements

Candidates are required to complete four subjects (24 credit points) determined in consultation with the Graduate Studies Advisor.

Credit Transfer

Upon completion of the Graduate Certificate in Management students may articulate in to the Master of Management with credit for subjects completed in the Graduate Certificate.

Graduate Certificate in Project Management

Testamur Title of Degree:	Graduate Certificate in Project Management
Abbreviation:	GCertProjMgmt
Home Faculty:	Sydney Business School
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
UOW Course Code:	1168, S1168
CRICOS Code:	061989M

Overview

The Graduate Certificate in Project Management is available for students who wish to study the fundamental principles of project management and build key skills and competencies in this area. The degree consists of core project management subjects and the choice of supporting elective subjects across several key business disciplines, selected by students according to their professional needs.

Entry Requirements

Applicants must have a relevant tertiary qualification with at least two years relevant professional work experience.

Those applicants who have five years managerial work experience will be considered for admission to the program.

International applicants must also meet the University's English Language requirements as set out at www.uow.edu.au/future/international

Course Requirements

Candidates will complete two core subjects (12 credit points) as listed below plus two (2) elective subjects (12 credit points) from the list below as approved by the Graduate Studies Advisor.

Course Program

Core Subjects		Credit Points
TBS 935	Project Management	6
TBS 936	Advanced Project Management	6
Elective Subjects		
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain Management	6
TBS 950	Quality in Management	6

Credit Transfer

Upon successful completion of the Graduate Certificate in Project Management, students may articulate in to the Master of Project Management with credit for subjects completed in the Graduate Certificate.

Graduate Certificate in Retail Management

Testamur Title of Degree:	Graduate Certificate in Retail Management
Abbreviation:	GCertRetailMgmt
Home Faculty:	Sydney Business School
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn, Spring at Innovation Campus (Wollongong) Intake A, B, C, D at Sydney campus
UOW Course Code:	1167, S1167
CRICOS Code:	061988A

Overview

The Graduate Certificate in Retail Management will provide students with skills and competencies specific to the retail sector in the disciplines of management and marketing. The degree also offers a choice of supporting elective subjects across several key business disciplines, selected by students according to their professional needs.

Entry Requirements

Applicants must have a relevant tertiary qualification with at least two years relevant professional work experience.

Those applicants with five years managerial work experience will be considered for admission to the program.

International applicants must also meet the University's English Language requirements as set out at www.uow.edu.au/future/international

Course Requirements

Candidates are required to complete two core subjects with two elective subjects selected from the list in consultation with the Graduate Studies Advisor, totalling 24 credit points as listed below:

Course Program

Core Subjects		Credit Points
TBS 945	Retail Management	6
TBS 946	Retail Marketing	6
Elective Subjects		
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6
TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain Management	6
TBS 922	Management Project*	6

* Topic to be negotiated with the Graduate Studies Advisor to meet individual students' development needs and work environment.

Credit Transfer

Upon successful completion of the Graduate Certificate in Retail Management, students may articulate in to the Master of Retail Management with credit for subjects completed in the Graduate Certificate.

Graduate Certificate in Survey Research Methods

Testamur Title of Degree:	Graduate Certificate in Survey Research Methods
Abbreviation:	GCertSurvResMethods
Home Faculty:	Sydney Business School
Duration:	1 year part-time
Total Credit Points:	24
Location:	Sydney
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Intake A and C at Sydney campus
UOW Course Code:	1186
CRICOS Code:	N/A

Overview

The Centre for Statistical and Survey Methodology (CSSM) and the Sydney Business School (SBS) are working together to improving the quality of survey-based research in Australia by providing development opportunities and encouraging research into relevant survey research methodologies. A program consisting of a Graduate Certificate and coursework Masters degree will provide the foundations to the development of high quality professionals in survey methodology and research. The program is aimed at improving the quality of social, market and scientific research in Australia by providing development opportunities for people in government, industry and research centres and encouraging research into relevant methodologies. The course objective is to provide up-to-date and high quality education in survey methodology and research and to reinforce the position of CSSM at UoW as the premier centre of excellence in Australia in survey methodology.

Entry Requirements

Applicants must have a relevant professional qualification (minimum Bachelor degree from a recognised institution) or 5 years relevant industry experience.

Course Requirements

Candidates are required to complete four core subjects (24 credit points) as follows:

Subject Code	Subject Name	Credit Points	Delivery method(s)
SRMP901	Introduction to Research Design and Analysis for Surveys	6	Lectures/tutorials
SRMP902	Statistical and Data Collection Methods in Surveys	6	Lectures/tutorials
SRMP903	Survey Methods	6	Lectures/tutorials
SRMP904	Sample Design and Estimation	6	Lectures/tutorials

Credit Transfer

Upon successful completion of the Graduate Certificate in Survey Research Methods, students may articulate in to the Master of Survey Research Methods with credit for subjects completed under the Graduate Certificate.

SUBJECT DESCRIPTIONS

SRMP901 Introduction to Research Studies Design for Surveys

Intake A Sydney Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject students will examine issues in the design of survey based research, and then explore the foundations for choosing methods and techniques in applied survey research. This will allow students to demonstrate knowledge of the methodologies underpinning survey based research. Students will develop and extend analytical skills required for successful research, including statistical design techniques, case studies, ethnography, and surveys, as well as ethical issues in survey research and the influence of ethical considerations on survey research methods and methodology. This knowledge will allow students to demonstrate their expertise in research methodology, both qualitative and quantitative.

SRMP902 Statistical and Data Collection Methods for Surveys

Intake B Sydney Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: SRMP902 provides an introduction to statistical data analysis techniques and methods for collecting data. The focus is on the practice of statistics, but some theoretical and conceptual underpinning is important. Topics covered in statistical methods are: data presentation and interpretation; 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; analysis of categorical variables and contingency tables, logistic regression and standardisation. It will involve the use of a statistical analysis package. Topics covered in data collection methods are: Sample frames. Introduction to sources of error and Total Survey Error. Key aspects of different options: face-to-face, telephone, mail, internet and on-line methods. Other methods - diaries, administrative records

SRMP903 Survey Methods

Intake C Sydney Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: SRMP903 provides an introduction to survey methods. Topics covered in data quality are: Sources of error in surveys, Total Survey Error. Introduction to measuring and reducing Non-response and missing data. Imputation. Topics covered in instrument design and testing are: Question wording. Form design principles Cognitive aspect of survey and cognitive testing approaches. Testing and evaluation of questionnaires Relationship with data collection mode.

SRMP904 Sample Design and Estimation

Intake D Sydney Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: SRMP904 provides an introduction sample design and estimation.. The focus is on the practice of statistics, but some theoretical and conceptual underpinning is important. Topics covered in sample design are: Populations and sampling frames. Simple Random Sampling, Stratification, Probability Proportional to Size sampling, Cluster and Multistage sampling. Topics covered in estimation are: Weighting, ratio estimation, postratification and generalised regression. Variance estimation, standard errors and confidence intervals. It will involve the use of the statistical analysis package SPSS and indicate the use of other common packages such as SAS.

SRMP911 Project Management and Development for Surveys

Intake D Sydney Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: SMP911 provides an overview and details of the issues and approaches involved in project management and development in surveys. The focus is on understanding the practical issues in successfully conducting a survey that meets the needs of the sponsor. Topics covered in project development are: Consulting and communication skills. Finding projects. Preparing and presenting proposal and tenders. Preparing quotes and Budgeting. Ethical considerations and scientific integrity. Topics covered in project managment are: Managing and administering large-scale surveys. Data management. Quality Assurance. Scheduling. Report writing and presentation. Preparation of publications. Achieving timetable and budget. Project evaluation.

SRMP912 Advanced Sample Design and Analysis

Intake B Sydney Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: SRMP912 develops skills in sample design and survey analysis in more complex situations. The focus is on the practice of statistics, but some theoretical and conceptual underpinning is important. Topics covered in Advanced Sampling methods are: Multiphase, sampling in time - panel and longitudinal sampling, sampling rare populations, multiframe sampling. Current issue in sampling: online panels, telephone based sampling. Topics covered in analysis of complex survey data are: Accounting for sample design in analysis of means, totals, regression and logistic regression, contingency table analysis. It will involve the use of a statistical package such as SPSS.

SRMP913 Survey Quality and Measurement

Intake C Sydney Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: SRMP913 develops skills for tackling issues that affect the quality of survey data. The focus is on the practical aspects of data quality, but some theoretical and conceptual underpinning is important.

Topics covered in survey quality are: Designing for quality. Approaches to measuring and reducing errors due to coverage, non-response, respondent effect, interviewer effects, mode and questionnaire effects. Topics covered in survey measurement are: Cognitive and social psychology and communication theories and their implications for survey measurement.

SRMP990 Minor project in survey research methods

Intake A	Sydney	Modular
Intake B	Sydney	Modular
Intake C	Sydney	Modular
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: SRMP990 provides experience and develops skills in undertaking a research or development project examining an aspect of survey methods The focus is on the practice of survey methods, but some theoretical and conceptual underpinning is important. .The topic of the project will be chosen in an area that is related to the student's interests and likely professional development. It can be chosen to be relevant to the student's current or anticipated career

SRMP991 Major project in survey research methods

Intake A	Sydney	Modular
Intake B	Sydney	Modular
Intake C	Sydney	Modular
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: SRMP991 provides experience and develops skills in undertaking a substantial research or development project examining an aspect of survey methods The focus is on the practice of survey methods, but some theoretical and conceptual underpinning is important. The topic of the project will be chosen in an area that is related to the student's interests and likely professional development. It can be chosen to be relevant to the student's current or anticipated career,

TBS 901 Accounting for Managers

Autumn	Innovation Campus	On Campus
Intake C	Sydney	Modular
Spring	Wollongong	On Campus
Intake D	Sydney	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: TBS980
Subject Description: This subject is intended for those who need to obtain a better understanding of the principles of accounting and financial management. No previous knowledge or experience is assumed. The subject will introduce you to the role that effective financial management makes within an organisation. The aim is to make you proficient in the use of the accounting data that you receive in your work environment, as well as making you aware of the basis on which key financial decisions are made. You will be introduced to the basic concepts of financial decision-making and the role of financial management in both private and public sector organisations. The concepts and techniques will assist you in the use and interpretation of accounting data and you will become better acquainted with the planning and controlling of resources you have at your disposal.

TBS 902 Statistics for Decision Making

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECON940
Subject Description: This unit will provide an in-depth introduction to probability, decision theory, and statistical inference with emphasis on solutions to actual business problems. After developing a foundation in probability theory, the subject will extend this foundation to a set of methodologies for the analysis of decision problems. The unit examines structures for managerial decision making under conditions of partial information and uncertainty. The examination of the use of statistical techniques in managerial decision making processes, including, confidence intervals, hypothesis testing, quality control, simple and multiple regression and factor analysis should be applied in realistic case situations.

TBS 903 Managing People in Organisations

Intake A	Loftus	Modular
Intake A	Sydney	Modular
Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Autumn	Wollongong	On Campus
Intake B	Sydney	Modular
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: TBS981 Managing in Multi-National Companies
Subject Description: This subject introduces students to ideas about managing people in organisations which thematically combine theories and research in organisational behaviour and human resource management. The subject encourages students to think about management and organisations in ways which are multi-disciplinary, problem solving and critical. It encourages intellectual inquiry and debate using a range of sources: theoretical, journalistic, historical, comparative and quantitative. The subject encourages students to evaluate popular management fads in the light of more rigorous theorising and research. It aims to improve the research, critical thinking, writing and speaking skills of students.

TBS 904 Marketing Management

Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Intake C	Sydney	Modular
Intake C	Sydney	Modular

Credit Points: 6

Pre-requisites: None
Co-requisites: None
Exclusions: MARK922
Subject Description: This subject examines the contemporary view of marketing and focuses on the following areas: identification of marketing opportunities; market segmentation; targeting and positioning; product life cycle; new product development; services marketing and marketing mix decisions.

TBS 905 Economic Analysis of Business

Intake A	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to introduce students, and develop their understanding of, core economic concepts relevant to business and managerial decision-making, in order that they may identify and interpret those economic events and circumstances which influence the operations of business. Commencing with the (microeconomic) examination of the behaviour of individual economic units, the subject develops to provide a view of macroeconomics and its application to the functioning of the economy overall. National accounts systems are introduced, and the macroeconomic approach that is relevant to an open economy of the type in which real businesses operate. It is a course objective to equip students to be able to read and understand published articles on business and the broader economy, and interpret these as to their impact on business and government organisations, and such material will be used in class.

TBS 906 Information Systems for Managers

Intake B	Sydney	Modular
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular
Summer 2010/2011	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: BUSS903
Subject Description: This subject provides an understanding of the management of information systems in organisations, in particular, it provides an analysis of the approaches to managing information and knowledge as well as the techniques for ensuring information quality. Other issues considered are the creation of strategies to resource and control information flows and usage within an organisation; the management of information system projects and the impact of change their implementation has on staff; the use of technology and people to improve the quality information services.

TBS 907 Financial Strategy

Intake A	Sydney	On Campus
Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Batemans Bay	Modular
Intake D	Bega	Modular
Intake D	Loftus	Modular
Intake D	Moss Vale	Modular
Intake D	Shoalhaven	Modular
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: TBS901 or TBS980
Co-requisites: None
Exclusions: FIN 921
Subject Description: This subject provides an introduction to the theory and practice of financial management. The financial manager plays a key role in the development of a company's strategic plan. In particular s/he is concerned with providing advice on which investment opportunities should be undertaken and how they should be financed. Both of these decisions should be taken in the context of maximising the value of the investment made in the company by it's shareholders. Investment of funds in assets determines the size of the company, it's profits from operations, it's business risk and it's liquidity. Obtaining the best mix of financing and dividends determines the company's financial charges and it's financial risk; which in turn impacts on it's valuation. It is the aim of this course to examine many of these issues

TBS 908 Supply Chain Management

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Autumn	Wollongong	On Campus
Intake B	Sydney	Modular
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus
Spring	Wollongong	On Campus
Intake D	Sydney	Modular
Intake D	Sydney	Modular
Summer 2010/2011	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Supply Chain Management extends the study of logistics beyond the boundaries of a single organisation, and places particular emphasis on the interfaces between the 'chain' or 'network' of enterprises engaged in moving products, services, and information, from suppliers through intermediaries to end users/consumers. The early part of the subject focuses on understanding the concepts and principles of supply chain management. Supply chain infrastructure and operations topics are reviewed giving emphasis on topics such as JIT, lean, and agile supply chain. Channel relationships between suppliers, manufacturers, and distributors is also reviewed, particularly as leading organisations are now openly embracing more collaborative behaviour for mutual benefit. Transformational change in supply chains is studied from two perspectives, i.e., re-alignment inside the supply chain itself, and new advanced forms of 'outsourcing'.

Finally, we live in Asia Pacific, so it is important to understand the regionalisation of supply chains which is well underway, and in some cases, globalisation.

TBS 909 Corporate Governance

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake B	Batemans Bay	Modular
Intake B	Bega	Modular
Intake B	Loftus	Modular
Intake B	Moss Vale	Modular
Intake B	Shoalhaven	Modular
Intake C	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The broad aim of this subject is to identify, explain and evaluate the sometimes competing approaches to corporate governance and business ethics that have defined the terms of the governance debate, to assess the role of public policy in designing and overseeing effective systems of corporate governance and to examine the relationship between governance issues and business. This will provide students with a sound understanding of the complex issues that have to be faced by industry and government in developing effective, and ethical, corporate governance systems.

TBS 912 Quantitative Methods for Decision Making

Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on the quantitative techniques available to managers in problem solving and decision making in businesses. The subject aims to develop in students the skills necessary for data analysis, model building and analysis for business decision-making. To this end the subject covers areas such as decision making under certainty and uncertainty, linear programming, transportation and transhipment techniques, project scheduling with certainty and uncertainty, waiting line models, goal programming, Analytic Hierarchy Process and simulations. In this subject, the emphasis is given on the analysis and interpretation of the results provided by the models.

TBS 913 Innovation Topics and Cases

Intake A	Batemans Bay	Modular
Intake A	Bega	Modular
Intake A	Loftus	Modular
Intake A	Moss Vale	Modular
Intake A	Shoalhaven	Modular
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers integration issues that must be confronted and managed to create value from technological and business innovation, including: initiating innovation and incubating novel thinking, technological innovation, the innovation process, theories of innovation, planning innovation, strategy and innovation, R & D management, economic justification and innovation, new products and processes, operations strategy and innovation, process innovation, managing future technologies, public policy and technological innovation, and globalising change.

TBS 914 Business in Asia

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The core element of the ASIAM program examines the spectacular growth in the tiger economies, and focuses on South Korea, Malaysia, China and Indonesia. Forms of government, the structure of industry, inward investment, sourcing, trading relationships, government/ business relationships and business style are some of the issues addressed. Students visit local organisations and meet senior managers.

TBS 915 Supply Chain Management: From Vision to Implementation

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The main theme of this subject is the alignment of supply chains with customers and suppliers to create new value. The role of 3PLs and 4PLs is also critically reviewed, and new business models are proposed for managing future supply chains. This subject will introduce the unique 'alignment' framework, and then work through all the components necesssary for it's successful operation, from customer segmentation at the user end, to supplier relationships at the sourcing end. This subject is a 'must' for any executive wishing to be at the vanguard of latest thinking in the design and operation/ implementation of high-performance supply chains in all goods and services sectors.

TBS 916 Intellectual Capital Development: The Asia-Pacific Perspective

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: In the Knowledge Economy, the generation and exploitation of knowledge plays the predominant role in the creation of wealth, and knowledge has become the most important factor in economic growth. At the enterprise level, corporate investment in knowledge and related intangibles is growing at a faster rate than tangible investment in all developed economies. This unit critically evaluates knowledge strategies at the national and enterprise level, and confirms elements of effective knowledge management in the Asian context. Firstly, national knowledge-based strategies for economic growth in Singapore, Korea, Malaysia and Australia will be examined. Secondly, knowledge strategies adopted by leading Asian firms (based on Most Admired Knowledge Enterprises - Asia 2003) will be reviewed. Based on the analyses, success criteria for knowledge management in Asia at national and enterprise levels will be identified

TBS 917 Strategic Negotiation for International Business

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This unit will provide a close examination of the dynamics of the process of negotiation. This will be achieved through an exploration of negotiation theory and research and through the practical exercise of various negotiating techniques. This theory into practice approach will encourage students to develop a strategic rather than reactive perspective to the task of reaching an agreement through negotiation. The unit will also critically examine the inter-cultural dimensions of negotiation.

TBS 918 Strategic Supply Chain Management

Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject extends the study of Supply Chain Management from the introductory level and examines the development of organisational strategy in the context of supply chain management. The overarching framework around which the course content is organised is the supply chain management performance/capability continuum, which consists of three critical components: operational excellence, supply chain integration, and collaboration and virtual supply chains. Also covered is how information systems can be used to bring strategic competitive advantage to supply chains.

TBS 919 Entrepreneurship and Innovation in an Asia-Pacific Context

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: TBS981 Managing in Multi-National Companies

TBS 920 International Business Strategy

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: TBS984
Subject Description: This subject provides a detailed introduction to management within an international business perspective. Business is becoming increasingly global and firms require managers who understand and can resolve the challenges faced in surviving and succeeding in this competitive, diverse and dynamic environment. The subject seeks to integrate a range of disciplines including economics, management, global finance, marketing, operations management, and socio-cultural and political sciences, into a program focussed on the application of such disciplines to real business challenges. The subject therefore intends to build the students awareness of the complexity and dynamic nature of international business, and build their capacity to think and respond strategically. Managers capable of operating effectively in this environment will have truly global skills and will enhance their career prospects in todays exciting international business context.

TBS 921 Strategic Decision Making

Intake B	Sydney	Modular
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is theory and case based and will provide a study of the development of strategic decision-making and its application to corporate strategy. The subject consists of three main sections: strategic analysis, strategic choice and strategy implementation. However, it is more realistic to consider these from an integrated point of view and students will be strongly encouraged to develop holistic ideas of strategic decision-making, with emphasis on solutions to actual business challenges. Students should also realise that much of the strategic thinking that will be covered in this subject is also relevant to not for profit organisations. The theme throughout the subject will be to assess strategic capability and determine appropriate strategic actions, by developing a sound understanding of the mechanisms behind industry opportunities and threats. That is not to say that a purely mechanistic view is appropriate. Creativity, divergent lateral thinking and some understanding of risk management are essential requirements. The ability to find company information and develop a sophisticated understanding of case information are also skills that will be developed to encourage an educated approach to strategic decision-making

TBS 922 Management Project

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students are required to present a management report to agreed guidelines and to a maximum length of 10,000 words. This project should relate to the students workplace environment and negotiated with the Subject Co-ordinator.

TBS 923 Contemporary Issues in International Business

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None

Subject Description: This subject provides a broad view of currently topical issues in International Business through the study, analysis and discussion of relevant readings on each issue. The subject's approach is based on initial study of the selected readings, complemented by development of theoretical aspects where required, followed by group discussion and analysis of each issue. Assessment for the subject will be based on essay submissions for each issue covered, normally three in number, as well as a take home final examination.

TBS 924 Management Project

Annual	Innovation Campus	On Campus
Annual	Sydney	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students are required to present a management report, to agreed guidelines and to a maximum length of 10,000 words. This project must relate to a student's chosen area of specialisation within the MBA.

TBS 925 Inventory Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: TBS 930
Co-requisites: TBS930 may be completed simultaneously with TBS 925.
Subject Description: This subject aims to provide the student with state-of-the-art knowledge of inventory management theory and practice. Topics included will be as follows: materials management; management of storage and retrieval facilities; types of inventory problems; measuring inventory performance; inventory management systems for independent demand items; influence of forecasts and uncertainties of demand and lead time; dependent demand inventory systems; multi-echelon inventory management; decision models for inventory management; simulation models of inventory management systems; and case studies of world-class inventory management

TBS 927 Process and Change Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject combines the process reengineering and change management. The topics covered in this context include mass customisation, business process reengineering, and change management for process change. Cases are studied to provide a unifying theme in terms of organisational change, supply chain reengineering and integration aspects.

TBS 928 Logistics Systems

Intake A	Sydney	Modular
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Logistics Systems is an advanced course in logistics and supply chain management. It involves design and management of supply chain systems. It prepares students for logistics management positions in manufacturing, transportation and distribution firms. The application of analytical techniques, simulations and computer software to selected aspects of distribution management is explored in the course. Attention will be given to areas of network planning, inventory control, facility location, vehicle routing and scheduling of logistics systems. Mathematical models in these areas will be discussed in terms of their ability to represent the problem and usefulness to the managers. Cases will be used to demonstrate the nature of decision making problems managers face in logistics and supply chain management in contemporary business and class discussion will take place about the repercussions of alternative decisions.

TBS 930 Operations Management

Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is a study of the design, analysis, decision-making and operations of activities for the production and delivery of goods and services. Topics include: strategic issues, qualitative and quantitative forecasting, facility location, capacity and layout, production planning, scheduling, management of quality, supply chain management and e-business, just-in-time and lean manufacturing, and project management. Whilst some calculations will be part of this subject, the emphasis will be more on the managerial interpretation of the methods and results.

TBS 933 Procurement and Inventory Management

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake C	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Today, the function that used to be called purchasing or procurement, has expanded to become supply management. Supply management is a progressive approach to managing the supply base that differs from a traditional arm's length or adversarial approach with suppliers. This subject looks at the expanded responsibility of procurement and its integration with long-term strategic corporate planning. Procurement now includes participating collaboratively in key material requirements determinations, supply management and warehousing and inventory management. It focuses on the management of supplier relations and performance. This subject incorporates all these areas in the development of procurement and supply chain management. Also included are key elements of supply chain inventory management. Also included are key elements of supply chain inventory management.

TBS 934 Logistics Information Systems

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject centres on how

information technologies will transform the business landscape, with a particular emphasis on logistics and supply chains. Lectures highlight logistics management process analysis, value and productivity performance measurement of information technology investments, and the impact of ERP and RFID on supply chain strategy.

TBS 935 Project Management

Intake A	Sydney	Modular
Autumn	Wollongong	On Campus
Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Intake C	Sydney	Modular
Spring	Wollongong	On Campus
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to develop knowledge of various types of projects in current business organisations. The students will learn the different stages involved in the conception and implementation of projects, writing project proposals, carry out feasibility studies, organising and managing project teams, understand the role of project management in business organisations, project planning and scheduling, project finance, effective information and stakeholder management, contractual arrangements and project supervision.

TBS 936 Advanced Project Management

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: TBS935
Subject Description: This subject builds on the concepts in TBS935 Project Management, with special emphasis on managing complex and high-risk projects. The subject will cover topics in advanced project management including risk management, defining and managing complex scope, system definition and configuration management, models development, contracts and acquisition strategy, quality and value management, business case and tender preparation, negotiation and conflict resolution, management of time and stress, relationship contracting and performance management.

TBS 940 International Project Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: All sectors of industry, including production or servicing as well as public sector organisations, are increasingly applying the principles of Project Management. Add to this the international factor and project management can become challenging. In the 'global economy', more educated, demanding and litigious customers are creating a strong need for flexible and quick response capabilities in organisations, together with strong accountability mechanisms. Managers who are confident in conceiving, planning, implementing and managing international projects are building organisational and personal capabilities which will enhance their organisations – whether manufacturing, service or 'not for profit'. This subject analyses key issues for Project Management, including the definition of a project, impacts on the management of these due to culture, organisational structure, risk management, and leadership influences.

TBS 945 Retail Management

Autumn	Innovation Campus	On Campus
Intake C	Batemans Bay	Modular
Intake C	Bega	Modular
Intake C	Loftus	Modular
Intake C	Moss Vale	Modular
Intake C	Shoalhaven	Modular
Intake C	Sydney	Modular
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the complex and manifold questions of retail management. Internationally known retail companies are used as examples to facilitate an understanding of what is involved in strategic retail management and to present cases of best practice. Key themes covered in this subject include: an overview of strategic retail management; situational analysis; targeting customers and gathering information; choosing a store location; managing a retail business; merchandise management and pricing; communicating with suppliers and customers and; integrating and controlling the retail strategy.

TBS 946 Retail Marketing

Intake A	Sydney	Modular
Intake B	Loftus	Modular
Intake B	Sydney	Modular
Intake B	Sydney	Modular
Spring	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides a comprehensive introduction to retail marketing. It has a coherent structure, looking first at the nature of retail marketing, then at the environment, at consumer behaviour, segmentation and positioning and at the retail marketing mix. More specialist topics are also addressed such as own-label brand marketing, retail promotion and advertising, retail service provision and comparative international retail marketing management.

TBS 950 Quality in Management

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject addresses the quality issues from the supply chain perspective. It covers the following topics: the quality imperative for the open economy; concepts of quality; quality in service and manufacturing organisations; quality

control and assurance; quality costs; tools of TQM; quality function deployment; six sigma implementation; principles of Taguchi methods and robust quality; international quality assurance standards; HRM in quality; case studies in quality management.

TBS 951 Statistics for Quality Management

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: TBS902
Subject Description: Topics covered in this subject include quality theory including 'six sigma' and the 'seven tools of quality'. This subject has a comprehensive approach to statistics to meet the needs of students from diverse backgrounds. The subject provides a theoretical and practical grounding in statistical process quality (SPC). Students will be required to demonstrate their understanding of SPC using real case studies from organisations or companies selected by the student. The subject will create a direct link between statistical concepts delivered in lectures and real cases in the area of quality and a direct link between SPC and regression analysis.

TBS 952 Implementing Quality Systems

Not on offer in 2010
Credit Points: 6
Pre-requisites: TBS950
Co-requisites: None
Subject Description: This subject briefly reviews basic Quality philosophies - with an emphasis on system, cost, problem solving and people improvement. It concentrates on systems thinking as a key factor in understanding and improving quality, the development of a learning organisation, and ultimately the achievement of customer loyalty. This subject also reviews the fundamentals of the Quality organisation: ISO 9000, Six Sigma and other Quality systems that play a role in TQM. The course introduces practical Quality systems (eg: Kaizen, improvement methodologies and QI tools), Quality Function Deployment (QFD), measure of conformance and the prevention of non-conformance. The behaviour, commitment, and involvement of people in a Quality organisation are explored, including: team working, the team approach to problem solving, and the roles of management, suppliers, and customers in a Quality environment. Implementation examples are provided through a case study that features the identification and improvement of quality systems.

TBS 953 Management of Service Quality

Not on offer in 2010
Credit Points: 6
Pre-requisites: TBS950
Co-requisites: None
Subject Description: This subject explores the dimensions of successful service firms. It prepares students for enlightened management and suggests creative entrepreneurial opportunities. Outstanding service organizations are managed differently than their 'merely good' competitors. Actions are based on totally different assumptions about the way success is achieved. The results show not only in terms of conventional measures of performance but also in the enthusiasm of the employees and quality of customer satisfaction. Beginning with the service encounter, service managers must blend marketing, technology, people, and information to achieve a distinctive competitive advantage. This subject will study service management from an integrated viewpoint with a focus on customer satisfaction. The material will integrate operations, marketing, strategy, information technology and organizational issues. Finally, because the service sector is the fastest-growing sector of the economy, this course is intended to help students discover entrepreneurial opportunities.

TBS 955 Quality Assurance

Not on offer in 2010
Credit Points: 6
Pre-requisites: TBS950 and TBS952
Co-requisites: None
Subject Description: This course provides an opportunity for specialised study within the Quality management program, by developing the following frameworks of understanding: 1) the terminologies and purposes of Quality Assurance; 2) studies of selected methodologies Quality Assurance; 3) a case study in quality assurance: 4) preparing an organisation for a selected QA accreditation.

TBS 956 Foundations in Business Studies

Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to introduce to students fundamental factors which affect the operations of a business. The subject examines the effects of domestic and international environment on a business. The domestic factors were introduced in an Australian context and international factors were incorporated focusing the world economic system, placing more emphasis on factors which affects the Asia-Pacific region.

TBS 957 Introduction to Contemporary Business Practice

Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to give students an overview of contemporary business practices, from the initial choices of what products and services to offer customers, through the management of operations and supply chain, managing people and financial resources, within the context of an ethically responsible approach to business.

TBS 961 Business Spanish Language and Culture

Intake B	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Loftus	Modular
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is intended for those who wish to acquire knowledge of the Spanish language for use in a practical business context. It has been designed for those seeking to build business relationships with Spanish speaking people at a managerial level. The language functions and the business vocabulary presented in the course are appropriate to a number of commercial situations. Participants will also study socio/ economic/ political features of a number of key Spanish speaking countries. The main emphasis of the course is on mastering basic linguistic skills. Students will be encouraged to practice speaking in class in pairs or groups (setting up role-plays adapted to topics used in the lesson). Students will also discover how they best learn a language and will be encouraged to use the relevant authentic materials and websites provided in class.

TBS 962 Business Chinese Language and Culture

Not on offer in 2010
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is intended for those who wish to acquire a knowledge of Chinese for use in a practical business context. It has been designed for those seeking to build business relationships with Chinese speaking people at a managerial level. The language functions and the business vocabulary presented in the course are appropriate to a number of commercial situations. Participants will also study socio/ economic/ political features of a number of key Chinese speaking countries. This subject is an introductory course for beginners. Students are expected to complete private study to achieve the expected result. Emphasis will be on the practical use of the language, in terms of speaking, listening and writing. Students are also expected to achieve a better understanding of the social and cultural context of the language.

TBS 963 Introduction to Business Coaching

Intake A	Sydney	Modular
Intake C	Loftus	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to enable students to differentiate between coaching, consultancy, counselling and mentoring, and between executive, life and business coaching. It introduces the main topics of leadership, people management, communication, negotiation, business analysis, business improvement, change management and project management. It allows students to experience skills to be covered in other subjects of the course, such as facilitation and collaboration. It also encourages students to think about the ethical considerations involved in the business coaching relationship

TBS 964 Applied Coaching Practice

Intake B	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will outline factors affecting the management and development of people using a coaching methodology in leadership. This subject will discuss coaching, mentoring, facilitation and training methodologies in order to understand differences in approaches and skill requirements. Students will be encouraged to develop, to increase personal awareness, to practice, to review, to discuss and to propose coaching approaches to situations and challenges faced with people in a business environment

TBS 965 Leadership and People Management

Intake C	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will enhance students' knowledge and understanding of working with people, focussing on topics such as communication, motivation and leadership. These topics will be discussed within the framework of business coaching, both from the point of view of skills which the business coach will use with their clients and their own companies, and from the point of view of the analysis and advice which they may offer clients. Coaching skills such as observation of people's behaviour and feedback to peers will be developed in this subject.

TBS 966 Business Coaching Strategy and Planning

Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will enhance students' knowledge and understanding of working with people, focussing on topics such as communication, motivation and leadership. This subject will give students an understanding of business strategy and planning, for large and small companies. They will apply their understanding both to clients and to their own businesses. Students will analyse a range of different businesses and business environments and explore strategic choices and decision-making. They will analyse their own competencies and competitive advantages and those of their competitors, partners and clients.

TBS 967 Innovation, Improvement and Change Management

Intake A	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will help students to develop an understanding of innovation and how to manage innovation successfully from

initial idea, through funding, risk management, and implementation. Students will learn how to foster a creativity of innovation and creativity, using coaching methodologies such as the use of non-directive questioning to encourage clients to propose their own solutions. Students will learn to select appropriate tools and techniques of knowledge management and business improvement to use with their clients. Students will also learn how to identify and overcome resistance to change and how to manage change successfully.

TBS 968 Business Coaching Research Paper

Intake B Sydney Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will agree a topic relevant to coaching in their industry and research it. Quantitative and qualitative research methodologies will be discussed as well data analysis and data presentation. Students will present their research findings to their peers and to academic staff. Ethical considerations will be discussed throughout the course. Students will receive coaching and mentoring throughout their research, which will enhance their understanding of these processes as well as of the research itself.

TBS 969 Positive Psychology in Business

Intake C Sydney Modular
Spring Innovation Campus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Applied positive psychology is an application of the science of positive psychology, the emerging science of optimal human functioning. This subject will enhance students' knowledge, skills and confidence in applying positive psychological principles to business outcomes in real life settings. Students will gain knowledge and skills in assessment of positive psychological concepts including strength, goal management, optimism, resilience and psychological capital as they relate to individuals, teams and organisations/ institutions. This subject will require students to relate concepts and techniques to themselves, teams and organisations in which they have operated.

TBS 972 Current Issues in Business

Intake A and B Sydney Modular
Autumn Innovation Campus On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will comprise weekly seminars, some of which will be given by staff and visiting academics, while others will be given by student research clusters on current topics relating to their research areas. The topics will vary with the research interests of staff, visitors and students. The subject is designed to heighten students awareness of a broad range of contemporary business issues, and allow them to situate their own research in this context. It will also provide students with a range of examples of high quality presentations, enabling them to appreciate the standard expected. Students will be encouraged to question and give feedback to their peers

TBS 973 Business Development

Intake C and D Sydney Modular
Spring Innovation Campus On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will stimulate students to think about the demanding nature of change management and leadership in any organisation today, while helping them to develop a portfolio of skills in consultancy, coaching, and mentoring. These skills will help students in carrying out their research, in their professional lives and in peer support of their fellow students. Students will conduct a project on an agreed topic and to present their findings to their peers.

TBS 974 Research Development

Annual Innovation Campus On Campus
Annual Sydney On Campus
Credit Points: 24
Pre-requisites: TBS999
Co-requisites: None
Subject Description: Students further refine their research question and approach, possibly undertaking some pilot studies or trials after obtaining the relevant ethical approval. Students may commence their research when their refined proposal has been approved by their supervisor. For the end of Year 2, students must produce an updated research proposal, updating their literature review and their methodology, reporting on any data collection and analysis undertaken, and relating it to the existing literature. They must also include a detailed plan for the next phase of their research and dissertation.

TBS 975 Research Studies Design

Intake A Sydney Modular
Intake C Sydney Modular
Credit Points: 24
Pre-requisites: TBS999
Co-requisites: None
Subject Description: In this subject students will examine issues in the design of health services research, and then explore the foundations for choosing methods and techniques in applied health services research. This will allow students to demonstrate knowledge of the methodologies underpinning health services research. Students will develop and extend analytical skills required for successful research, including statistical design techniques, the use of relevant software, case studies, ethnography, and surveys, as well as ethical issues in health services research and the influence of ethical considerations on research methods and methodology. This knowledge will allow students to demonstrate their expertise in research methodology, both qualitative and quantitative

TBS 976 Quantitative Analysis for Health Service Research

Intake B Sydney Modular
Intake D Sydney Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: provides an introduction to statistical data analysis techniques. The focus is on the practice of statistics, but some theoretical and conceptual

underpinning is important. Topics covered are: data presentation and interpretation; 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; analysis of categorical variables and contingency tables, logistic regression and standardisation. It will involve the use of a statistical analysis package

TBS 977 Health Services Evaluation and Development

Intake A	Sydney	Modular
Intake B	Sydney	Modular
Intake C	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an overview of key aspects of the organisation and funding of health services, some of the core health service research tools and an overview of how to translate research findings into practice. Research tools include measurement of health status and determinants of health, health needs assessment and gap analysis, health service performance measurement and introduction to basic evaluation techniques including program evaluation and evaluation designs. Research translation strategies include service planning, service development and service re-design

TBS 978 Health Economic Principles and Research Methods

Intake B	Sydney	Modular
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an overview of the health care system and research methodologies commonly used by health economists. Specific topics will include the analysis of health care markets and their special characteristics. Both factor markets (such are those for medical doctors and nurses) and goods and services markets (such as ambulatory and hospital care, pharmaceuticals and health insurance) will be analysed. Considerable attention will be given to economic evaluation in health care including cost-effectiveness analysis, cost-utility analysis and cost-benefit analysis.

TBS 980 International Financial Management

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Autumn	Innovation Campus	Modular
Intake B	Sydney	Modular
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ACCY905 or FIN 928 or TBS 901
Subject Description: This subject introduces students to financial management in an international context. The topics covered include the following: financial environment of international corporate activity; foreign exchange and derivatives markets; methods of foreign exchange risk measurement and management; overview of international financial markets and instruments; financing of foreign trade and foreign direct investments; international working capital management; investment decision making in an international context, including country risk analysis; international aspects of controlling, reporting and performance analysis; effects of government regulation on management decision making.

TBS 981 Managing in Multi-National Companies

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Autumn	Innovation Campus	Modular
Intake B	Sydney	Modular
Intake C	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: TBS903 Managing People in Organisations
Subject Description: This subject will outline the factors affecting the management of people in multi-national enterprises, both the international regulatory organisations such as the International Labour Organisation and internal business criteria such as the effect of different business strategies and environments on people management practices. The course will discuss leadership, motivation, communication, performance management, diversity and corporate social responsibility as practised in multi-nationals, relating academic theory to real world examples. Students will be encouraged to think, to analyse, to discuss, to research, and to propose solutions to the problems they analyse.

TBS 982 Marketing in a Global Economy

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The objective of this subject is to provide a background in global marketing and both a theoretical and practical perspective to advertising communications and promotion management in a global economy. Thus, by adopting the perspective of the product manager or marketing manager, the subject examines the development and implementation of advertising and promotional programmes to facilitate global marketing

TBS 983 International Business Environment

Intake A	Sydney	Modular
Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to introduce to students, and develop their understanding of, those

factors shaping the international economic environment in which business now operates. The subject examines the background to globalisation and then three core areas of international business. These (trade and trade barriers, international investment and foreign exchange) will be considered separately and then together in the context of the major international institutions charged with promoting trade, investment and monetary stability.

TBS 984 International Business Strategies

Autumn	Innovation Campus	On Campus
Intake B	Sydney	Modular
Spring	Innovation Campus	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: TBS920
Subject Description: This subject provides an introduction to management within an international business perspective. Business is becoming increasingly global and firms require managers who understand and can resolve the challenges faced in surviving and succeeding in this competitive environment. Greater internationalisation of business requires firms to be more competitive, dynamic, and interdependent. Managers must understand the complexities of global cultural, political, economic, organisational, and financial forces and recognise how they affect their firm. Management challenges include dealing with the uncertain external environment, handling the increased risk of international operations, and developing appropriate international strategies. Managers capable of operating in this environment will have truly global skills and will enhance their career prospects in today's exciting international business context.

TBS 985 Communication for International Business

Intake A	Sydney	Modular
Autumn	Innovation Campus	On Campus
Intake C	Sydney	Modular
Spring	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELL901 or ELL903
Subject Description: This subject provides opportunity for students to develop the various communication skills essential to academic and in international business environments. The academic and general literacy skills targeted include efficient gathering, critical analysis and effective presentation of information, taking effective notes, summarising, reporting and avoiding plagiarism, while professional communication skills may include interviewing, and collaborative writing of business reports. Supported by web-based resources, the subject is delivered through intensive workshops, which involve continual development and assessment of: vocabulary, reading comprehension, goal setting and task analysis, group work, critical discussion, summarising and reporting, public speaking and text editing. The communications to be practised relate directly to the other core subjects of the MIB program.

TBS 996 Research Foundations 2: Research Methodology

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will give students an understanding of the purpose, philosophy and application of research, with particular emphasis on research focus, defining and refining research questions, quantitative and qualitative methods, the advantages and disadvantages of each and how to choose the appropriate method(s), the use of multi-method approaches, and options for data analysis and presentation. This knowledge will allow students to demonstrate their expertise in research methodology, both qualitative and quantitative.

TBS 997 Research Foundations 1: Literature Review

Not on offer in 2010
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to enable students to become thoroughly familiar with the subject in which they intend to specialise, using all university facilities available. All students will be expected to demonstrate an appreciation for application of knowledge and information to a real business situation. Students will be further expected to organise, categorise and discuss the information and issues relevant to their research to an exceptionally high level. A key output of the literature will be the identification of a series of research questions which the current literature does not adequately address. Students will be expected to select one or more of these questions as the focus for their research

TBS 999 Research Proposal

Not on offer in 2010
Credit Points: 24
Pre-requisites: TBS 996, TBS 997
Co-requisites: None
Subject Description: Students are expected to produce an 8,000 - 10,000 word research proposal paper in a structured framework. Students will choose one of the topics they identified as a gap in their first literature review and conduct an in-depth literature review of this particular topic. They will select and justify appropriate research methodologies. They will develop a research proposal based on their literature review and methodology through discussion with their peers and supervisors in regular meetings within their clusters. They will present their proposal, incorporating a clear explanation of their rationale, aims and research methods and their plan to achieve their research aims to a panel of examiners and the full cohort