University of Wollongong

POSTGRADUATE HANDBOOK 2008

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; advanced standing; and information about honours.

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

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

More Course and Subject Information Online

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

The Course Finder Database

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

Course Information

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

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

Subject Database

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

How to Find Subject Information online

Current Students

↓

Choose **Course Handbook** from the menu

↓

Choose **Subject Descriptions,** then nominate year and choose either 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 2007). Please refer to www.uow.edu.au/handbook for the most current information.

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Faculty of Arts

Member Units

School of English Literatures, Philosophy and Languages

School of History and Politics

School of Social Sciences, Media and Communication

The Centre for Asia Pacific Social Transformation Studies (CAPSTRANS)

Courses Offered

Research Degrees

Doctor of Philosophy

Master of Arts - Research

Master of Social Change and Development - Research

Coursework Degrees

Master of English Literatures

Master of International Relations

Master of Social Change and Development

Graduate Diploma in Arts (Japanese)*

Graduate Diploma in Arts (Modern Languages)

Graduate Certificate in Social Change and Development

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

Faculty Research

UOW Strength

Asia-Pacific Studies (includes the ARC Key Centre for Asia-Pacific Social Transformation Studies – CAPSTRANS)

Faculty Strengths

Citizens, States and Power

Innovation in Cultural Research

Literature, Identity and Culture

For more information on Research in Arts, please see:

www.uow.edu.au/arts/research/index.html

For tuition fee information please see the following:

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

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

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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 such as ARTS 901 Master of Arts Research Methods. 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 research strength 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

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.

Fields of Study

The PhD is offered in the following fields of study:

Aboriginal Studies

Asia-Pacific Studies

Communications

Employment Relations

English Literatures

French

Gender Studies

Global Labour Studies

Global Studies

History

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International Relations

Italian

Japanese

Linguistics

Media and Cultural Studies

Philosophy

Politics

Science, Technology and Society

Sociology

Spanish

War and Society

Interdisciplinary topics as negotiated with the relevant Head(s) 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:	1-1.5 years full-time or part-time equivalent
Total Credit Points:	72 (or 48 with entry from BA (Honours) or equivalent)
Delivery Mode:	Supervised research (with entry from BA (Honours). With entry from BA (Pass), 24 credit points of coursework will be required
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.

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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 Advanced Standing 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) 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 research strength 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

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 Advanced Standing 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. In some cases 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.

Fields of Study

The Master of Arts – Research is offered in the following fields of study:

Aboriginal Studies

Asia-Pacific Studies

Communications

Employment Relations

English Literatures

French

Gender Studies

Global Labour Studies

Global Studies

History

International Relations

Italian

Japanese

Linguistics

Media and Cultural Studies

Philosophy

Politics

Science, Technology and Society

Sociology

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Spanish

War and Society

Interdisciplinary topics as negotiated with the relevant Head(s) 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. After 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 Social Change and Development - Research

Testamur Title:	Master of Social Change and Development - Research
Abbreviation:	MSocChgDev-Res
Home Faculty:	Faculty of Arts
Duration:	1-1.5 years full-time or part-time equivalent
Total Credit Points:	72 or 48 with entry from BA (Honours) or equivalent
Delivery Mode:	Supervised research (with entry from BA (Honours)). With entry from BA (Pass), 24 credit points of face-to-face coursework will be required
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1321
CRICOS Code:	033020A

Overview

The purpose of the program is to provide students with the opportunity to undertake research at an advanced level and to gain the knowledge and skills to understand the processes of social change and development. The Faculty's teaching program complements the research programs in the Centre for Asia-Pacific Social Transformation Studies (CAPSTRANS) so that all courses are informed by the most recent high quality research. Students are offered the opportunity to study in a research and teaching faculty with extensive international networks staffed by some of the best scholars in their respective fields.

The Master of Social Change and Development – Research provides students with a new approach to comparative Asia-Pacific studies that transcends the limited focus of conventional development studies. Social transformation studies are innovative in terms of thinking and research, and the Asia-Pacific region offers unique insights into social change triggered by national and international development policies and their effects at local, regional and transnational levels. Unlike traditional development studies courses that provide a largely econometric analysis of development, we focus on a critical sociology and critical political economy of social change.

All subjects are oriented to developing problem-solving skills grounded in specific processes within the general rubric of social transformation; increasing research and policy analysis skills through subjects in policy and program evaluation; and an emphasis on student-directed learning via the use of online learning. We prepare our graduates to work in a broad range of development-related areas.

The Master of Social Change and Development – Research can be a research-only degree, where the candidate holds an undergraduate degree with a substantial research component, normally Honours or equivalent. Where the candidate has

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an undergraduate Pass degree, s/he will undertake 24 credit points of coursework in areas aimed at research training. The candidate must complete a substantial thesis (around 50,000 words).

Entry Requirements

There are two entry points for this degree:

1. From the Bachelor of Arts. Students entering the degree from the Bachelor of Arts (Pass) degree will complete a 72 credit point degree, consisting of 24 credit points of coursework chosen from CAPSTRANS subjects listed below, and subject to satisfactory completion of the coursework component, a 48 credit point thesis in a discipline or interdisciplinary area.
2. From the Bachelor of Arts (Honours) or the Master of Arts by Coursework (or equivalent qualification). Students having a Bachelor of Arts with Honours Class II, division ii or higher, or a Master of Arts by Coursework (or equivalent) with an average of at least 70% may apply for admission into the Master of Social Change and Development - Research degree with Advanced Standing for the 24 credit points of coursework. They will then complete a 48 credit point thesis in a discipline or interdisciplinary area.

Course Requirements

Program Structure

1. Entry from a Bachelor of Arts (Pass degree) or equivalent: Students will complete one 48 credit point thesis in a field of study and 24 credit points of coursework to be chosen from the subjects listed below. Students who achieve 70% or higher in the coursework component of the degree will proceed to the thesis component of the degree. Students who achieve a Pass average in this subject will be offered the opportunity to transfer to the Master of Social change and Development by Coursework with 24 credit points of Advanced Standing. The thesis topic will be determined by discussion between the student and the Postgraduate Co-ordinator.
2. Entry from a Bachelor of Arts (Honours) or equivalent: Students who have completed a Bachelor of Arts (Honours) degree with Class II division ii or higher, or appropriate research subjects in the coursework Masters degree, may apply for Advanced Standing for the 24 credit points of coursework. They will then complete a 48 credit point thesis in a discipline or interdisciplinary area.

Time Limits

Full time students should complete the 72 credit point degree in no fewer than two (2) sessions (not including Summer Session) and not more than four (4) sessions (not including Summer Session)). Full-time students should complete the 48 credit point course in no fewer than two (2) sessions (not including Summer Session and not more than four (4) sessions (not including Summer Session). Part-time students should complete the course in no fewer than four (4) sessions and no more than eight (8) sessions.

Each Research candidate has two supervisors. Before accepting a research candidate, the Faculty will ensure that two supervisors with appropriate expertise are available.

For further information about the Faculty's research themes and researchers, please consult the Faculty website at: www.uow.edu.au/arts/

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

Coursework Subjects

Students entering from a Bachelor of Arts (Pass) must choose 24 credit points from the following*:

Subjects	Title	Session	Credit Points
Core Subjects: Students must select two subjects			
SMAC910	Transforming Asia: Trends, Issues and Problems	Autumn	8
CAPS911	Social Change and Development	Autumn	8
CAPS915	Migration and Labour Mobility	Spring	8
SOC 904	Principles of Social Impact Assessment	Spring	8
Elective Subjects: Students select one subject			
CAPS910	Globalisation and Citizenship	Autumn	8
CAPS918	Special Topic A	Autumn /Spring	8
CAPS919	Special Topic B	Autumn /Spring	8
ELL 902	English for Postgraduate Studies I (Arts)	Autumn	8
ELL 904	English for Postgraduate Studies II (Arts)	Spring	8
INTR910	Politics of International Relations	Autumn	8
INTR912	Pacific Rim and Pacific Basin	n/o 2008	8
INTR920	Advanced International Economic Relations B	Spring	8

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INTR931	Public Policy	n/o 2008	8
INTR957	Post-War Economic and Social Development in the Asia-Pacific	Autumn	8

*The course co-ordinator may approve the substitution of other subjects.

Assessment

Coursework: Where students must complete the 24 credit point coursework component, assessment of that part of the degree will depend on the modules chosen, but it will normally be by essays and seminar papers.

Thesis: Students meet regularly with their supervisors to ensure that they are proceeding to plan. On commencement of the research component, candidates and their supervisors complete a Confirmation of Candidature Form that identifies key milestones, resource needs and skills required for completion of the research project. This is followed by a First Year review within the first year of the thesis. In addition, each year, the student and supervisors must submit a progress report. The annual progress report is the means by which the University assesses whether the candidature will continue into the following year. Supervisors who are concerned about a student's progress may also initiate a progress review at other times during a student's candidature.

When the thesis is submitted, it is examined by two examiners 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

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:	Mostly 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, possibly as part of professional advancement or to pursue an interest in the subject. The course consists of:

1. Five subjects in areas of study which reflect the research strengths of the English Literatures program;
2. One compulsory subject, ENGL903 Research Methods, in which students are trained in research skills which they then apply in the writing of a 5000 word paper on a topic of their choice in English literary studies. Students may be permitted to complete ARTS901 Master of Arts Research Methods in place of ENGL903 with prior approval of the Course Coordinator.
   Apart from ENGL903, subject offerings will be varied from year to year. Breadth is provided in geographical coverage, with classes in American, Australian and British writing, plus texts from across the English-speaking world. Depth comes with conceptual packages addressing theoretical issues such as the canon and constructions of literary history, indigeneity and the roles of memory and forgetting in writing, with in-depth study in specific subject areas.

Entry Requirements

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

Course Requirements

Students take ENGL903 plus five subjects from the schedule of subjects below (48 credit points).

Subjects	Title	Session	Credit Points
Compulsory subject for all students			
ENGL903	Research Methods	Spring	8
Electives (Students select five subjects from the list below)			
ENGL906	Modernism and its Others	N/O 2008	8

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ENGL913	Literature, Memory and Forgetting	N/O 2008	8
ENGL916	US Literature: Modernity and Post-Modernity	Autumn	8
ENGL918	Special Topic	Autumn or Spring	8
ENGL921	Turning Points: An Introduction to Post-Colonial Literary History	N/O 2008	8
ENGL923	Indigenous Literatures in Canada, New Zealand and Australia	N/O 2008	8
ENGL930	History and Romance in Early Modern Britain	Spring	8
ENGL933	Early Women Writers	Autumn	8
ENGL944	The Dominant Sound: Australian Women Novelists Between the Wars	N/O 2008	8
ENGL945	Contemporary Life Writing	Spring	8

Master of International Relations

Testamur Title:	Master of International Relations
Abbreviation:	MIntRel
Home Faculty:	Faculty of Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1556
CRICOS Code:	053406F

Overview

The degree is intended to provide opportunities for graduates of diverse disciplinary backgrounds to develop their academic understanding and professional skills in the field of international relations, broadly defined. The program is expected to be especially useful to students with relevant, professional experience or ambitions, including diplomats, other government officials, people in business, journalists, specialists in public affairs, government relations, and non-government organisations.

The degree program focuses on international politics, the history of diplomacy and diplomatic practice, international law and international political economy. Students may choose further specialisation within the program and they may undertake supervised research topics, with the permission of the Course Convenor, depending on results and research potential.

Entry Requirements

Students normally have a Bachelor's degree with a major or minor sequence in politics, history, law, economics or a related social science discipline.

Course Requirements

Students must complete 48 credit points from the following list of subjects.

Students are normally required to complete the four core subjects in order to graduate in the program. Please note that not all the elective subjects are available in any one year.

Subjects	Title	Session	Credit Points
Core subjects: Students must complete all four core subjects			
INTR900	International Law and Diplomacy	Autumn	8
INTR905	Case Studies in Diplomacy	Spring	8
INTR910	Politics of International Relations	Autumn	8
INTR920	Advanced International Economic Relations B	Spring	8
Elective Subjects*			
INTR911	Politics in the South Pacific	Spring	8
INTR912	Pacific Rim and Pacific Basin	N/O 2008	8

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INTR931	Public Policy	N/O 2008	8
INTR940	A Study of International Relations A	Autumn	8
INTR941	A Study of international Relations B	Spring	8
INTR957	Post-War Economic and Social Development in the Asia-Pacific	Autumn	8
INTR960	Research Project in International Relations	Annual	16
INTR961	Research Project in International Relations	Spring	16

* Subjects in the Master of Social Change and Development (CAPSTRANS) can be taken as electives with prior approval of the Course coordinator.

Master of Social Change and Development

Testamur Title:	Master of Social Change and Development
Abbreviation:	MSocChgDev
Home Faculty:	Faculty of Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1508
CRICOS Code:	031164A

Overview

This degree (48 credit points by coursework) is designed to provide students with the knowledge and skills to understand the processes of social change and development, and to improve their problem solving skills and effectiveness as administrators, researchers, development planners, educators, or managers. The course combines theoretical perspectives with empirical studies and policy-oriented perspectives.

The Master of Social Change and Development is a one-year full-time program (or part-time equivalent) that provides a comprehensive introduction to the field of social transformation studies. It also provides a convenient route towards a PhD degree or Masters by research.

The Faculty's teaching program complements the research programs in the Centre for Asia-Pacific Transformation Studies (CAPSTRANS) so that all courses are informed by the most recent high quality research. Students are offered the opportunity to study in a research and teaching faculty with extensive international networks staffed by some of the best scholars in their respective fields.

The Master of Social Change and Development provides students with a new approach to comparative Asia-Pacific studies that transcends the limited focus of conventional development studies. Social transformation studies are innovative in terms of thinking and research and the Asia-Pacific region offers unique insights into social change triggered by national and international development policies and their effects at local, regional and transnational levels. Unlike traditional development studies courses that provide a largely econometric analysis of development, the focus of this course is on a critical sociology and critical political economy of social change.

All subjects are oriented to developing problem-solving skills grounded in specific processes within the general rubric of social transformation; and increasing research and policy analysis skills through subjects in policy and program evaluation. We prepare our graduates to work in a broad range of development-related areas.

Entry Requirements

Students normally have a Bachelors degree with a minor sequence in the area studied.

Course Requirements

Masters of Social Change and Development students will complete subjects to the value of 48 credit points.

Subjects	Title	Session	Credit Points
Compulsory Subjects:			
SMAC910	Transforming Asia: Trends, Issues and Problems	Autumn	8
CAPS911	Social Change and Development	Autumn	8
CAPS915	Migration and Labour Mobility	Spring	8
SOC 904	Principles of Social Impact Assessment	Spring	8

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Electives: Students must complete subjects to the value of 16 credit points*

CAPS910	Globalisation and Citizenship	Autumn	8
CAPS918	Special Topic A	Autumn, Spring	8
CAPS919	Special Topic B	Autumn, Spring	8
CAPS935	Research Project in Social Change and Development	Annual, Autumn/ Spring	16
ELL 902	English for Postgraduate Studies I (Arts)	Autumn	8
ELL 904	English for Postgraduate Studies II (Arts)	Spring	8
INTR910	Politics of International Relations	Autumn	8
INTR912	Pacific Rim and Pacific Basin	N/O 2008	8
INTR920	Advanced International Economic Relations B	Spring	8
INTR931	Public Policy	N/O 2008	8
INTR957	Post-War Economic and Social Development in the Asia-Pacific	Autumn	8

*The Course Co-ordinator may approve the substitution of other relevant subjects.

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:	Mostly 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 Section 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.

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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:	Mostly 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 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 a university level.

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. 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.

Graduate Certificate in Social Change and Development

Testamur Title:	Graduate Certificate in Social Change and Development
Abbreviation:	GCertSocChgDev
Home Faculty:	Faculty of Arts
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	Flexible
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1133
CRICOS Code:	033256C

Overview

The three subjects making up this program focus on the Asia-Pacific region. The program emphasises social transformation studies.

The Faculty's teaching program complements the research programs in the Centre for Asia-Pacific Transformation Studies (CAPSTRANS) so that all courses are informed by the most recent high quality research. Students are offered the opportunity to study in a research and teaching faculty with extensive international networks staffed by some of the best scholars in their respective fields.

Entry Requirements

A Bachelor degree from a recognised institution with a relevant minor study sequence.

Course Requirements

This is a 24 credit point program. Students will complete three subjects.

Subjects	Title	Session	Credit Points
Core Subjects: (Students select two subjects)			

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SMAC910	Transforming Asia: Trends, Issues and Problems	Autumn	8
CAPS911	Social Change and Development	Autumn	8
CAPS915	Migration and Labour Mobility	Spring	8
SOC 904	Principles of Social Impact Assessment	Spring	8
Elective Subjects: (Students select one subject*)			
CAPS910	Globalisation and Citizenship	Autumn	8
CAPS918	Special Topic A	Autumn, Spring	8
CAPS919	Special Topic B	Autumn, Spring	8
ELL 902	English for Postgraduate Studies I (Arts)	Autumn	8
ELL 904	English for Postgraduate Studies II (Arts)	Spring	8
INTR910	Politics of International Relations	Autumn	8
INTR912	Pacific Rim and Pacific Basin	N/O 2008	8
INTR920	Advanced International Economic Relations B	Spring	8
INTR931	Public Policy	N/O 2008	8
INTR957	Post-War Economic and Social Development in the Asia-Pacific	Autumn	8

* With the approval of the Course Coordinator, students may select another relevant subject.

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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.

CAPS910 Globalisation and Citizenship

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
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.

CAPS911 Social Change and Development

Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will examine the development experience of people in the new global order. It will introduce students to the debates on 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.

CAPS915 Migration and Labour Mobility

Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisites: None
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.

CAPS918 Special Project A

Autumn Wollongong Flexible
Spring Wollongong Flexible
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 Co-ordinator. 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.

CAPS919 Special Project B

Autumn Wollongong Flexible
Spring Wollongong Flexible
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 Co-ordinator. 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.

CAPS935 Research Project in Social Change and Development

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 16
Pre-requisites: None
Co-requisites: None
Subject Description: The subject will consist of the execution of, and report on, a research project in consultation with, and under the supervision of, a tutor nominated by CAPSTRANS. The students will utilize theoretical and empirical material as well as data-processing and analysis skills taught in other CAPSTRANS subjects. The subject will develop the sutdents' skills in applied empirical research and deepen their understanding of concepts and procedures

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taught in other CAPSTRANS courses by utilizing them in the context of this research. This subject is a valuable addition to student's professional portfolio.

ELL 901 English for Postgraduate Studies 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELL 902
Subject Description: This subject 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) students who are wanting an induction into English grammar, micro and macro writing skills and oral skills for postgraduate studies. This subject aims to identify and practice important skills related to postgraduate academic English. These skills include grammar at the level of sentence, paragraph and text; writing conventions; skills in paraphrasing and summarising, as well as practice in some of the common text types used in postgraduate writing and oral presentations including reports, explanations and expositions.

ELL 902 English for Postgraduate Studies 1(Arts)

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: ELL 901
Subject Description: This subject 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) students who are wanting an induction into English grammar, micro and macro writing skills and oral skills for postgraduate studies. This subject aims to identify and practice important skills related to postgraduate academic English. These skills include grammar at the level of sentence, paragraph and text; writing conventions; skills in paraphrasing and summarising, as well as practice in some of the common text types used in postgraduate writing and oral presentations including reports, explanations and expositions.

ELL 903 English for Postgraduate Studies 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELL 904
Subject Description: This subject 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 are wanting an induction into writing and speaking for postgraduate studies. This subject aims to identify and discuss important issues related to the culture of postgraduate education; to develop academic skills relevant to postgraduate studies 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 English for Postgraduate Studies 2 (Arts)

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: ELL 903
Subject Description: This subject 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 are wanting an induction into writing and speaking for postgraduate studies. This subject aims to identify and discuss important issues related to the culture of postgraduate education; to develop academic skills relevant to postgraduate studies 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

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

Not on offer in 2008
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

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the role

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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

Spring Wollongong On Campus
Autumn 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

Not on offer in 2008
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? What are the possibilities for post-colonial texts 'intervening' in literary practice and/or social thought to imaginatively effect cultural liberation? What are we doing when we write literary history, design courses? What use do we make of reading texts? Can we institutionalise 'reading (and writing) against the grain'?

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

Autumn Wollongong On Campus
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.

ENGL944 The Dominant Sound: Australian Women Novelists Between the Wars

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The aims of this subject are to introduce students to the literature of the twenties, thirties and forties written by women in Australia, and to explore its cultural and ideological background and to encourage students to analyse a number of unfamiliar texts and examine their place within Australian History.

ENGL945 Contemporary Life Writing

Spring Wollongong On Campus
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

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the workings of celebrity culture. We also consider the role of life writing in contemporary literary culture: publishers, the media, authors and readers.

INTR900 International Law and Diplomacy

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Entry in the INTR Program
Co-requisites: None
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.

INTR905 Case Studies in Diplomacy

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
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.

INTR910 Politics of International Relations

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
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, 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.

INTR911 Politics in the South Pacific

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Entry to MA INTR programme
Co-requisites: None
Subject Description: In this subject we will consider the policies adopted by the governments of a number of Pacific Island nations (including the Solomon Islands, Samoa, Vanuatu, Tonga and Fiji Islands). The governments of these nations find that they now must manage in a globalising world that has adopted the free market principles. Their nations often lack institutional capacity; are in receipt of substantial amounts of aid; and are short of capital and human resources while having access to various levels of natural resources. The sustainable management of the latter has proved dificult.

INTR912 Pacific Rim and Pacific Basin

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: In this course we will examine the issues informing the politics of the countries of the Pacific Rim and Pacific Basin. We will take a geographic approach to our discussions. We will begin in the 'northeast corner' of the Pacific Rim. We will discuss the politics and interaction of China in the international sphere before we move south to consider what many now call the 'China Circle' (southeastern mainland China, Taiwan and Hong Kong). We will then canvas Japan's role in international relations before moving south to discuss some of the new 'Tiger' economies: Thailand, the Philippines, Malaysia and Indonesia. We will include discussions of regional entities such as APEC and ASIAN before we move northwest to discuss NAFTA and the role of the United States in international trade, governance and security.

INTR920 Advanced International Economic Relations B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject we will assume that 'globalization represents a decisive configuration of social, economic, political, and cultural changes which consequently has transformed key institutions and practices of the modern world' (See Robert O'Brien and Marc Williams, Global Political Economy, Palgrave, 2004, p. 9). It is in this context that we will examine a range of issues central to international political economy. We will discuss the effect of globalisation, distribution, free markets, neo-liberal ideology, protectionism, labour migration and global security on both developed and developing countries and we will examine the role international organisations including the World Bank, the International Monetary Fund (IMF), and the World Trade Organisation (WTO).

INTR921 Advanced International Economics

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will develop and analyse the determinents and consequences of economic; growth and trade; factor transfers (including foreign investment); tariffs, import-substituting industrialisation. The foreign exchange market and internal and external balance (the two-gap model)will also studied.

INTR922 Advanced Topics in Economics

Not on offer in 2008
Credit Points: 8

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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.

INTR931 Public Policy

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: None
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.

INTR940 A Study of International Relations A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Average credit grade and above and the approval of MA INTR co-ordinator.
Co-requisites: None
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 MA INTR co-ordinator and may depend on the availability of appropriate sources and suitably qualified staff.

INTR941 A Study of International Relations B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: Average credit grade and above and the approval of MA INTR co-ordinator.
Co-requisites: None
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 MA INTR co-ordinator and may depend on the availability of appropriate sources and suitably qualified staff.

INTR957 Postwar Economic and Social Development in the Asia-Pacific

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: In this subject we will focus on the politics of the countries that have taken the Asian road to economic development. We will pay particular attention to Singapore, Thailand, Malaysia and Indonesia. The governments of these countries have provided a mixture of development incentives and controls. They have actively fostered cooperation between government and private interests, promoted the transfer and adoption of technology, and placed a premium on economic efficiency. However, these same governments, have offered only narrow electoral choices, suppressed public criticism and infringed labour rights. They have failed to uphold basic democratic and worker rights and some argue that the situation is 'a glaring weakness' that has marred the success of their developed strategies. Nevertheless, and at the same time as the criticism has been cited, those who have been keen to applaud (rather than criticise) what has come to be known as the 'Asian Development Model' decided that it was a model that may well show they way out of poverty for other developing countries. It was a model that was promoted as an illustration of 'the power of global markets to modernize the developing world [World Bank report 1993]'. However, the problem with this latter analyses is that the financial crisis that began in the middle of 1997 and rapidly enveloped the Asian tiger economies has come to be seen by at least some observers 'as a stark lesson in globalization's [and particularly the free global market's] pitfalls'. See Mark Beeson, editor, Contemporary Southeast Asia, Palgrave, 2004, p.50.

INTR960 Research Project in International Relations

Annual Wollongong On Campus
Credit Points: 16
Pre-requisites: Average credit grade and above and the approval of MA INTR co-ordinator
Co-requisites: None
Subject Description: The work done for this subject is expected to include a detailed analysis of a significant issue, theoretical concept, methodological question that a student has previously encountered or a specific period or actor in international relations (and/or global governance and development). The student is expected to draw on relevant primary and secondary sources, scholarly theories and concepts and/or comparative materials. Enrolment requires the prior approval of the MA INTR co-ordinator and may depend on the availability of appropriate sources and suitably qualified staff.

INTR961 Research Project in International Relations

Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 16
Pre-requisites: Average credit grade and above and the approval of MA INTR co-ordinator
Co-requisites: None
Subject Description: The work done for this subject is expected to include a detailed analysis of a significant issue, theoretical concept, methodological question that a student has previously encountered or a specific period or actor in international relations (and/or global governance and development). The student is expected to draw on relevant primary and secondary sources, scholarly theories and concepts and/or comparative materials.

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Enrolment requires the prior approval of the MA INTR co-ordinator and may depend on the availability of appropriate sources and suitably qualified staff.

PHIL905 Research Project

Not on offer in 2008
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.

PHIL935 Applied Ethics

Not on offer in 2008
Credit Points: 8
Pre-requisites: Bachelor degree (pass of honours) in any field, or equivalent.
Co-requisites: None
Exclusions: PHIL206
Subject Description: A systematic study of a range of problems of applied ethics. Among the topics for discussion will be a selection of the following: civil rights; human rights; privacy; censorship; discrimination; commodification; branding and advertising; globalisation; war; terrorism; multiculturalism; inter-personal ethics and environmental ethics.

PHIL955 Theoretical Ethics

Not on offer in 2008
Credit Points: 8
Pre-requisites: Bachelor or equivalent
Co-requisites: None
Exclusions: PHIL251 or PHIL301
Subject Description: A critical study of fundamental issues in moral philosophy. Among the topics discussed will be a selection of the following: moral relativism; consequentialism; moral motivation; egoism and altruism; morality and rationality.

PHIL965 Bioethics

Not on offer in 2008
Credit Points: 8
Pre-requisites: Bachelor degree or equivalent
Co-requisites: None
Subject Description: Systematic study of a range of bioethical problems. Topics will include: euthanasia; physician-assisted suicide; reproduction technology; anonymous donor programs; genetic counselling, screening and testing; surrogacy; embryo and fetal research; health resources allocation; organ transplantation; experimentation involving human subjects; research involving animals; the nature of professional ethics.

PHIL976 Ethical Issues in Research

Not on offer in 2008
Credit Points: 8
Pre-requisites: Bachelor degree (pass or honours) in any field, or equivalent
Co-requisites: None
Subject Description: Examines areas of ethical concern in different kinds of research, including concepts of research misconduct (e.g. research fraud, manipulation of data, plagiarism), ethical justification of research (especially research that may involve risk or burdens for humans or nonhuman animals) and ethical review of research. Topics discussed include: consent; confidentiality; fraud; disadvantaged participants; use of research findings; institutional ethics committees; codes of research practice and responsibilities in research.

PHIL986 Applied Ethics Topic

Not on offer in 2008
Credit Points: 8
Pre-requisites: Bachelor degree or equivalent.
Co-requisites: None
Subject Description: Offers students enrolled in the MA (Applied Ethics) the opportunity to investigate applied ethics issues at an advanced level. Students wishing to enrol must discuss their proposal with the Convenor of Program. Normally this is a reading program. Content and assessment is determined by the supervisor and student.

PHIL995 Environmental Ethics

Not on offer in 2008
Credit Points: 8
Pre-requisites: Bachelor degree or equivalent. Not to count with PHIL256
Co-requisites: None
Subject Description: A systematic study of problems in environmental ethics. Topics include the place of humankind in nature; the status of non-human animals and their use in research and as food; our moral obligations to the 3rd world and to future generations, 'deep' versus 'shallow' theories of environmental ethics.

SMAC910 Transforming Asia: Trends, Issues and Problems

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
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.

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SOC 904 Principles of Social Impact Assessment

Spring Wollongong On Campus
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

Autumn Wollongong On Campus
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.

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Faculty of Commerce

Member Units

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

Master of Strategic Human Resource Management with Master of Strategic Marketing

Master of Strategic Management with Master of Strategic Marketing

Accountancy

Master of Accountancy - Research

Master of Accountancy

Master of Professional Accounting

Master of Forensic Accounting

Finance

Master of Finance - Research

Master of Finance

Master of Applied Finance (Banking/Managing/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/index.html

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

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Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	48 per annum
Delivery Mode:	Supervised individual research
Location:	All
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 enroll 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

Accounting and EDI

Auditing

Controllership

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 Economics

Financial Markets

Financial Planning

International Finance

Mathematical Finance

Personal Finance

Portfolio Analysis

Risk Management

Small Business Finance

School of Economics

Economics

Labour and Human Resources

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International Trade and Investment
Economic Growth and Development
Small and Medium Enterprises
Industrial and Business Economics
Regional Development
Macroeconomic Performance and Policies

School of Management and Marketing

Management

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

Marketing

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

Other Research Areas

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

Other Information

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

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Master of Commerce

Testamur Title of Degree:	Master of Commerce
Abbreviation:	MCom
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:	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 Accounting Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT910	Strategic Management	Autumn/Spring	6
Plus	Four (4) Commerce 900-level subjects		

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% of advanced standing for a second specialised Commerce Masters program.

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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:	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/discover/international/ 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 Accounting Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT910	Strategic 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

Students who successfully complete the Graduate Certificate in Commerce with an overall average of 60% will be able to articulate into the Master of Commerce.

Applicants who hold a degree in business or commerce from a recognised tertiary institution and achieve an overall average of at least 60% in the Graduate Certificate of Commerce may be eligible for credit towards a specialised Commerce Masters program other than the Master of Commerce. The amount of credit to be awarded will depend on the Masters program which they intend to take and will be determined by the relevant Course Coordinator.

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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:	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/Spring	6
LAW331	Intellectual Property Law	Spring	6
Plus one of the following:			
MARK922	Marketing Management	Autumn/Spring	6
MARK935	Marketing Strategy	Spring	6
MARK956	Creating and Marketing New Products	n/o 2008	6
Plus one of the following:			
MGMT908	Human Resource Development	Autumn	6
MGMT911	Organisational Behaviour	Spring	6
MGMT915	Organisational Change	Spring	6
MGMT940	Innovation and Entrepreneurship	Spring	6
COMM327	Business Innovation, Technology and Policy	Autumn/Spring	6

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Master of Accountancy - Research

Testamur Title of Degree:	Master of Accountancy – Research
Abbreviation:	MAccy-Res
Home Faculty:	Commerce
Duration:	1.5 years 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. 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.

Entry Requirements / Assumed Knowledge

Applicants who have completed a coursework Masters degree at an appropriate standard may be admitted to the program.

Advanced Standing

Advanced Standing 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

Elective Subjects

12 credit points from the 900- level subjects offered by the School of Accounting and Finance, provided those electives are appropriate to the course of research the student intends to pursue.

Subject selection 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 THES912	Thesis full-timeThesis part-time	Annual	4824

Other Information

Further information is available from www.uow.edu.au or email: accfin@uow.edu.au

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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.

Professional Recognition

Recognised by CPA Australia as a Specialist Masters Degree.

Other Information

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

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Master of Professional Accounting

Testamur Title of Degree:	Master of Professional Accounting
Abbreviation:	MProfAccy
Home Faculty:	Commerce
Duration:	1.5 to 2 years or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1515
CRICOS Code:	036454F

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
ACCY903	Theoretical Foundations of Accounting	Autumn/Spring	6
ACCY902	Applied Financial Accounting	Spring	6
ACCY918	Applied Management Accounting	Spring	6
FIN921	Managerial Finance	Autumn/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 Accounting Professionals	Autumn/Spring	6
ECON940	Statistics for Decision Making	Spring	6
LAW960	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.

Other Information

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

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Master of Forensic Accounting

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

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.

Advanced Standing

Advanced standing for ACCY950 will be offered to 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	Research Project	Autumn/Spring	6

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

Professional Recognition

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

Other information

Further information is available from www.uow.edu.au or email: accfin@uow.edu.au

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Master of Finance - Research

Testamur Title of Degree:	Master of Finance -Research
Abbreviation:	MFin-Res
Home Faculty:	Commerce
Duration:	1.5 years 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 an individual member 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.

Advanced Standing

Advanced Standing 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).

Course Program

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

Electives

Any 2 900-level subjects offered by the School of Accounting and Finance as approved by the Associate Head of School (Finance).

Thesis

Subjects		Session	Credit Points
THES924 THES912	Thesis (full-time)Thesis (part-time)	Annual	48

Other Information

Further information is available from www.uow.edu.au or email: accfin@uow.edu.au

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Master of Finance

Testamur Title of Degree:	Master of Finance
Abbreviation:	MFin
Home Faculty:	Commerce
Duration:	1 year or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1532
CRICOS Code:	042529G

Overview

This program is aimed at university graduates with no previous qualifications in finance who wish to change career direction, or non-finance business majors who wish to acquire an advanced understanding of finance to complement their existing knowledge gained through prior studies, work experience and training.

The degree structure is flexible, permits focus on areas of vocational interest and best suits applicants who are seeking a degree based on specialised coursework. The compulsory core part of the program is aimed at introducing students to the study of finance at the graduate level through interdisciplinary studies in finance and accounting. This is an ideal introduction to the business world for majors from the humanities, education, engineering, health, law and the sciences.

In the elective part of the program, students develop an advanced conceptual and applied knowledge of decision-making in corporate finance and banking, investment analysis and portfolio management, international finance, risk management, entrepreneurial finance and statistical and economic methods in finance.

Entry Requirements / Assumed Knowledge

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

Course Requirements

Students are required to undertake 12 credit points in core subjects and 36 credit points in elective subjects.

Course Program

Core Subjects:

ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
FIN921	Managerial Finance	Autumn/Spring	6

Electives

LAW970	Banking and Financial Institutions Law	Autumn	6
FIN925	Banking Theory and Practice	Autumn	6
FIN922	Advanced Investment Analysis	Autumn	6
FIN924	Advanced Financial Statement Analysis	Autumn	6
FIN927	Entrepreneurial Finance	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6
ECON910	Economics for Accounting Professionals	Autumn/Spring	6
FIN955	International Banking	Spring	6
FIN956	Bank Lending & Securities	Spring	6
FIN923	Advanced Portfolio Management	Spring	6
FIN926	Advanced Corporate Finance	Spring	6
FIN928	Multinational Financial Management	Spring	6
FIN957	Portfolio Simulation	Spring	6
ECON940	Statistics for Decision Making	Spring	6

Note: ACCY901 and FIN921 are compulsory subjects and are ordinarily taken in the first session of commencement in the degree. Students successfully completing 24 credit points in the Master of Finance

are eligible to apply for admission to the Master of Applied Finance, with permission of the Associate Head of School (Finance), students may include FIN987 Special Topic in Finance among the elective subjects.

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Professional Recognition

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

Other Information

Further information is available from www.uow.edu.au or email: accfin@uow.edu.au

Master of Applied Finance (Banking/Investing/Managing)

Testamur Title of Degree:	Master of Applied Finance (Banking/Investing/Managing)
Abbreviation:	MAppFin
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:	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, investing or managing at the graduate level. The core part of the program provides students with an advanced understanding of financial decision-making in one of three areas. The banking specialisation has a focus on bank management and lending, the investing specialisation addresses investment analysis and portfolio management, and the managing specialisation is concerned with 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 24 credit points in the Banking, Investing or Managing specialist stream and 24 credit points in electives.

Course Program

Master of Applied Finance (Banking)

Code	Subject	Session	Credit Points
LAW970	Banking and Financial Institutions Law	Autumn	6
FIN925	Banking Theory and Practice	Autumn	6
FIN955	International Banking	Spring	6
FIN956	Bank Lending and Securities	Spring	6
Electives			
FIN922	Advanced Investment Analysis	Autumn	6
FIN924	Advanced Financial Statement Analysis	Autumn	6
FIN927	Entrepreneurial Finance	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6
FIN923	Advanced Portfolio Management	Spring	6
FIN926	Advanced Corporate Finance	Spring	6
FIN928	Multinational Financial Management	Spring	6
FIN957	Portfolio Simulation	Spring	6
ECON940	Statistics for Decision Making	Spring	6

Note: With permission of the Associate Head of School (Finance), students may include FIN987 Special Topic in Finance among the elective subjects.

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Master of Applied Finance (Investing)

Code	Subject	Session	Credit Points
FIN922	Advanced Investment Analysis	Autumn	6
FIN924	Advanced Financial Statement Analysis	Autumn	6
FIN923	Advanced Portfolio Management	Spring	6
FIN957	Portfolio Simulation	Spring	6
Electives			
LAW970	Banking and Financial Institutions Law	Autumn	6
FIN925	Banking Theory and Practice	Autumn	6
FIN927	Entrepreneurial Finance	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6
FIN955	International Banking	Spring	6
FIN956	Bank Lending & Securities	Spring	6
FIN926	Advanced Corporate Finance	Spring	6
FIN928	Multinational Financial Management	Spring	6
ECON940	Statistics for Decision Making	Spring	6

Note: With permission of the Associate Head of School (Finance), students may include FIN987 Special Topic in Finance among the elective subjects.

Master of Applied Finance (Managing)

Code	Subject	Session	Credit Points
FIN924	Advanced Financial Statement Analysis	Autumn	6
FIN927	Entrepreneurial Finance	Autumn	6
FIN926	Advanced Corporate Finance	Spring	6
FIN928	Multinational Financial Management	Spring	6
Electives			
LAW970	Banking and Financial Institutions Law	Autumn	6
FIN925	Banking Theory and Practice	Autumn	6
FIN922	Advanced Investment Analysis	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6
FIN955	International Banking	Spring	6
FIN956	Bank Lending & Securities	Spring	6
FIN923	Advanced Portfolio Management	Spring	6
FIN957	Portfolio Simulation	Spring	6
ECON940	Statistics for Decision Making	Spring	6

Note: With permission of the Associate Head of School (Finance), students may include FIN987 Special Topic in Finance among the elective subjects.

Professional Recognition

Recognised by the Financial Services Institute of Australasia (FINSIA) and is recognised by CPA Australia as a Specialist Masters Degree.

Other Information

Further information is available from www.uow.edu.au or email: accfin@uow.edu.au

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Master of Economics - Research

Testamur Title of Degree:	Master of Economics - Research
Abbreviation:	MEcon - Res
Home Faculty:	Commerce
Duration:	1.5 years or part-time equivalent
Total Credit Points:	72
Delivery Mode:	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 direction of the Associate Head of School.

Advanced Standing

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

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
Plus one of the following:			
ECON921	Econometric Models	n/o 2008	6
Or			
ECON939	Quantitative Economic Analysis	Autumn	6
Plus six credit points at 900- level as approved by the Associate Head of School.			
Plus			
THES924 THES912	Thesis (full-time) ORThesis (part-time)	Annual	48

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Master of Management - Research

Testamur Title of Degree:	Master of Management -Research
Abbreviation:	MMgmt-Res
Home Faculty:	Commerce
Duration:	1.5 years or part-time equivalent
Total Credit Points:	72
Delivery Mode:	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 advanced standing of up to 24 credit points for the coursework component of this degree on the basis of previous research-related subjects. 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
Or another 6-credit point research-oriented subject approved by the Course Coordinator			
Plus three 6-credit point subjects as approved by the Course Coordinator Plus			
THES924 THES912	Thesis full-timeThesis 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 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 must have an undergraduate degree with a major in management, human resource management or marketing 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.

Course Requirements

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

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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 2008	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2008	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 2008	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 2008	
MGMT978	Cross Cultural Management	Autumn	6
MGMT983	Leading Organisations: Politics, Power & Change	n/o 2008	6

Master of Strategic Management

Testamur Title of Degree:	Master of Strategic Management
Abbreviation:	MStratMgmt
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 and other locations (subject to demand)
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.

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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 2008	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 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.

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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 2008	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 2008	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 or part-time equivalent
Total Credit Points:	72
Delivery Mode:	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 advanced standing of up to 24 credit points for the coursework component of the program on the basis of previous research-related subjects. 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.

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Course Program

Subjects		Session	Credit Points
MARK977	Research for Marketing Decisions	Spring	6
OR another 6 credit point research-oriented subject approved by the Head of School			
PLUS three 900-level 6 credit point subjects as approved by the Course Coordinator PLUS			
THES924 THES912	Thesis full-timeThesis part-time	Autumn/Spring	48

Master of Strategic Marketing

Testamur Title of Degree:	Master of Strategic Marketing
Abbreviation:	MStratMark
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:	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 2008	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2008	6
MARK977	Research for Marketing Decisions	Spring	6

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MARK995	Tourism Marketing	Spring	6
MARK997	Retail Marketing Management	Autumn	6
MARK989	Marketing Special Topic	Autumn/Spring	12

Master of Commerce - Master of Applied Finance

Testamur Title of Degree:	Master of Commerce Master of Applied Finance (Banking/Investing/Managing)
Abbreviation:	MCom-MAppFin
Home Faculty:	Commerce
Duration:	2 years or part-time equivalent
Total Credit Points:	84
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1588
CRICOS Code:	061860F

Overview

This double degree program allows students not only to undertake complementary study in related fields in a shorter time than it would normally take, but also provides an opportunity for students to develop generalist business skills in commerce and specialist knowledge and expertise in applied finance.

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 Applied Finance is designed for business graduates who wish to substantially develop their advanced, applied and comprehensive knowledge of either banking, investing or managing at the graduate level. The core part of the program provides students with an advanced understanding of financial decision-making in one of three areas. The banking specialisation has a focus on bank management and lending, the investing specialisation addresses investment analysis and portfolio management, and the managing specialisation is concerned with the financial decisions made by corporate managers.

Entry Requirements / Assumed Knowledge

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

Professional Recognition

The Master of Applied Finance (Banking/Investing/Managing) is recognised by the Financial Services Institute of Australasia (FINSIA) and is recognised by CPA Australia as a Specialist Masters Degree.

Course Program

Students will undertake 48 credit points (8 subjects) from the Master of Commerce schedule plus a further 36 credit points (6 subjects) from the Master of Applied Finance schedule as listed below:

Subjects		Session	Credit Points
Master of Commerce			
Year 1			
ACCY901	Accounting Foundations For Professionals	Autumn/Spring	6
ECON910	Economics for Accounting Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT910	Strategic Management	Autumn/Spring	6
Plus EITHER			
FIN922	Advanced Investment Analysis	Autumn	6
AND			
FIN924	Advanced Financial Statement Analysis	Autumn	6
OR			
FIN923	Advanced Portfolio Management	Spring	6

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AND

FIN926	Advanced Corporate Finance	Spring	6
AND	two (2) Commerce 900-level subjects (excluding subjects contained in the Master of Applied Finance schedule apart from those listed above)		

Master of Applied Finance (Banking)

Year 2

LAW970	Banking and Financial Institutions Law	Autumn	6
FIN925	Banking Theory and Practice	Autumn	6
FIN955	International Banking	Spring	6
FIN956	Bank Lending and Securities	Spring	6

Plus two (2) electives selected from the following:

FIN927	Entrepreneurial Finance	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6
FIN928	Multinational Financial Management	Spring	6
FIN957	Portfolio Simulation	Spring	6
ECON940	Statistics for Decision Making	Spring	6

Master of Applied Finance (Investing)

FIN957	Portfolio Simulation	Spring	6

Plus five (5) electives taken from the following:

LAW970	Banking and Financial Institutions Law	Autumn	6
FIN925	Banking Theory and Practice	Autumn	6
FIN927	Entrepreneurial Finance	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6
FIN955	International Banking	Spring	6
FIN956	Bank Lending and Securities	Spring	6
FIN928	Multinational Financial Management	Spring	6
ECON940	Statistics for Decision Making	Spring	6

Master of Applied Finance (Managing)

Either

FIN927	Entrepreneurial Finance	Autumn	6
FIN928	Multinational Financial Management	Spring	6

Plus three (3) electives taken from the following:

LAW970	Banking and Financial Institutions Law	Autumn	6
FIN925	Banking Theory and Practice	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6
FIN955	International Banking	Spring	6

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FIN956	Bank Lending and Securities	Spring	6
FIN957	Portfolio Simulation	Spring	6
ECON940	Statistics for Decision Making	Spring	6

Other Information

Students intending to study the Master of Applied Finance (Investing) or (Managing) are advised to seek academic advice prior to enrolling in subjects.

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 or part-time equivalent
Total Credit Points:	84
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1856
CRICOS Code:	061859K

Overview

This double degree program allows students not only to undertake complementary study in related fields in a shorter time than it would normally take, but also provides an opportunity for students to develop generalist business skills in commerce and specialist knowledge 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

Students will undertake 48 credit points (8 subjects) from the Master of Commerce schedule plus a further 36 credit points (6 subjects) from the Master of Strategic Human Resource Management schedule as listed below:

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1			
ACCY901	Accounting Foundations for Professionals	Autumn/ Spring	6
ECON910	Economics for Accounting Professionals	Autumn/ Spring	6
MARK922	Marketing Management	Autumn/ Spring	6
MGMT910	Strategic Management	Autumn/ Spring	6

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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

MGMT930	Strategic Human Resource Management	Autumn	6

Plus five (5) subjects selected from the following schedule, subject to availability and demand

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 in 2008	6
MGMT949	Performance Management	Spring	6
MGMT963	Management of Occupational Health and Safety	Spring	6
MGMT969	Job Analysis, Recruitment & Selection	Autumn	6
MGMT975	Negotiation, Advocacy and Bargaining	n/o in 2008	6
MGMT987	Management Special Topic	Autumn/ Spring	6

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 or part-time equivalent
Total Credit Points:	84
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1585
CRICOS Code:	061858M

Overview

This double degree program allows students not only to undertake complementary study in related fields in a shorter time than it would normally take, but also provides an opportunity for students to develop generalist business skills in commerce and specialist knowledge 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

Students will undertake 48 credit points (8 subjects) from the Master of Commerce schedule plus a further 36 credit points (6 subjects) from the Master of Strategic Management schedule as listed below:

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1			
ACCY901	Accounting Foundations for Professionals	Autumn/ Spring	6

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ECON910	Economics for Accounting Professionals	Autumn/ Spring	6
MARK922	Marketing Management	Autumn/ Spring	6
MGMT910	Strategic Management	Autumn/ Spring	6

Plus four (4) Commerce 900-level subjects (excluding subjects contained in the Master of Strategic Management schedule)

MASTER OF STRATEGIC MANAGEMENT

Year 2

MGMT930	Strategic Human Resource Management	Autumn	6

Plus five (5) subjects 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	n/o 2008	6
MGMT987	Management Special Topic	Autumn/ Spring	6

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 or part-time equivalent
Total Credit Points:	84
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1584
CRICOS Code:	061861E

Overview

This double degree program allows students not only to undertake complementary study in related fields in a shorter time than it would normally take, but also provides an opportunity for students to develop generalist business skills in commerce and specialist knowledge 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

Students will undertake 48 credit points (8 subjects) from the Master of Commerce schedule plus a further 36 credit points (6 subjects) from the Master of Strategic Marketing schedule as listed below:

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1			
ACCY901	Accounting Foundations for Professionals	Autumn/ Spring	6
ECON910	Economics for Accounting Professionals	Autumn/ Spring	6

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MARK922	Marketing Management	Autumn/ Spring	6
MGMT910	Strategic Management	Autumn/ Spring	6

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
MGMT930	Strategic Human Resource Management	Autumn	6

Plus four (4) 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
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 2008	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2008	6
MARK977	Research for Marketing Decisions	Spring	6
MARK995	Tourism Marketing	Spring	6
MARK997	Retail Marketing Management	Autumn	6
MGMT989	Marketing Special Topic	Autumn/ Spring	6

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 or part-time equivalent
Total Credit Points:	84
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1583
CRICOS Code:	061858M

Overview

This double degree program allows students not only to undertake complementary study in related fields in a shorter time than it would normally take, but also provides an opportunity for students to develop generalist business skills in commerce and specialist knowledge 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.

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Course Program

Students will undertake 48 credit points (8 subjects) from the Master of Commerce schedule plus a further 36 credit points (6 subjects) from the Master of Strategic Management and Marketing schedule as listed below:

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1			
ACCY901	Accounting Foundations for Professionals	Autumn/ Spring	6
ECON910	Economics for Accounting Professionals	Autumn/ Spring	6
MARK922	Marketing Management	Autumn/ Spring	6
MGMT910	Strategic Management	Autumn/ Spring	6
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
MGMT920	Organisational Analysis	Autumn	6
MGMT930	Strategic Human Resource Management	Autumn	6
Plus two (2) 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 2008	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2008	6
MARK977	Research for Marketing Decisions	Spring	6
MARK995	Tourism Marketing	Spring	6
MGMT908	Human Resource 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 in 2008	6
MGMT949	Performance Management	Spring	6
MGMT963	Management of Occupational Health and Safety	Spring	6
MGMT969	Job Analysis, Recruitment & Selection	Autumn	6
MGMT975	Negotiation, Advocacy and Bargaining	n/o 2008	6
MGMT978	Cross Cultural Management	Autumn	6
MGMT983	Leading Organisations: Politics, Power and Change	n/o 2008	6

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Master of Strategic Human Resource Management - Master of Strategic Marketing

Testamur Title of Degree:	Master of Strategic Human Resource Management Master of Strategic Marketing
Abbreviation:	MStratHRM-MStratMark
Home Faculty:	Commerce
Duration:	2 years or part-time equivalent
Total Credit Points:	84
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1589
CRICOS Code:	061863C

Overview

This double degree program allows students not only to undertake complementary study in related fields in a shorter time than it would normally take, but also provides an opportunity for students to develop specialist knowledge and expertise in both human resource management and marketing.

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.

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 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.

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.

Course Program

Students will undertake 48 credit points (8 subjects) from the Master of Strategic Human Resource Management schedule plus a further 36 credit points (6 subjects) from the Master of Strategic Marketing schedule as listed below:

Subjects		Session	Credit Points
MASTER OF STRATEGIC HUMAN RESOURCE MANAGEMENT			
Year 1			
MARK922	Marketing Management	Autumn/ Spring	6
MGMT910	Strategic Management	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6
Plus five (5) subjects selected from the following schedule, subject to availability and demand			
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 in 2008	6
MGMT949	Performance Management	Spring	6
MGMT963	Management of Occupational Health and Safety	Spring	6
MGMT969	Job Analysis, Recruitment & Selection	Autumn	6

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MGMT975	Negotiation, Advocacy and Bargaining	n/o 2008	6
MGMT987	Management Special Topic	Autumn/ Spring	6

MASTER OF STRATEGIC MARKETING

Year 2

MARK935	Marketing Strategy	Spring	6

Plus five (5) subjects selected from the following, 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 in 2008	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o in 2008	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	6

Other Information

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

Master of Strategic Management - Master of Strategic Marketing

Testamur Title of Degree:	Master of Strategic Management Master of Strategic Marketing
Abbreviation:	MStratMgmt-MStratMark
Home Faculty:	Commerce
Duration:	2 years or part-time equivalent
Total Credit Points:	84
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1590
CRICOS Code:	061862D

Overview

This double degree program allows students not only to undertake complementary study in related fields in a shorter time than it would normally take, but also provides an opportunity for students to develop specialist knowledge and expertise in both management and marketing.

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.

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 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 Program

Students will undertake 48 credit points (8 subjects) from the Master of Strategic Management schedule plus a further 36 credit points (6 subjects) from the Master of Strategic Marketing schedule as listed below:

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Subjects		Session	Credit Points
MASTER OF STRATEGIC MANAGEMENT			
Year 1			
MARK922	Marketing Management	Autumn/ Spring	6
MGMT910	Strategic Management	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6
Plus five (5) subjects 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	n/o in 2008	6
MGMT987	Management Special Topic	Autumn/ Spring	6
MASTER OF STRATEGIC MARKETING			
Year 2			
MARK935	Marketing Strategy	Spring	6
Plus five (5) subjects selected from the following, 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 in 2008	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o in 2008	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	6

Other Information

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

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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: None
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

Spring Wollongong On Campus
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: This subject covers an in-depth applied analysis of selected topics in management accounting. Topic selection may include decision theory and analysis, financial model building, cost prediction and control techniques, pricing, management accounting systems design, and the interrelationships between management and the management accounting system. Theoretical concepts developed in other management accounting subjects will also be expanded as needed to support the complex applications being studied.

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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 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an in-depth examination of contemporary topics in auditing with emphasis on controversial and theoretical issues, including social and ethical issues, the role of quantitative techniques in the audit function, continuous auditing concept, uncertainty reporting, audit performance evaluation, extension of the attest function and public sector auditing.

ACCY950 Introductory Forensic Accounting

Autumn Wollongong On Campus
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 On Campus
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 On Campus
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 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 emanating from Australian and international regulators and advisory bodies such as the Financial Action Task Force, the OECD, Transparency International and the United Nations.

ACCY953 Investigative Processes

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject adopts an interdisciplinary approach to introduce the investigative processes used by forensic accountants to identify, examine and prevent fraudulent financial activity. Students are provided with the opportunity to learn the specific elements involved in a financial investigation from the moment of predication through to case profiling and the investigation processes, including the process of setting, testing, adjusting and eliminating the case hypothesis. The subject focuses on both qualitative and quantitative investigative procedures including investigative interviewing and data mining techniques. In addition, students are exposed to forensic accounting issues beyond financial statement and employee fraud, to also understand and appreciate the roles and responsibilities of a forensic accountant when investigating a case and working along side members of various regulatory bodies, including the legal ability and limitations faced by a forensic accountant.

ACCY954 Advanced Investigative Techniques

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores complex qualitative investigation techniques utilised by a forensic accountant to further gather evidence in order to adequately and appropriately detect and investigate the existence of financial crime. Students will learn how to apply sophisticated investigation techniques to complex investigations of both domestic and off-shore financial crimes. Advanced study of investigative interviewing

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and human behaviour analysis is undertaken to correctly detect deception and understand a subject's motives and rationalisation for committing financial crime utilising this knowledge in the overall financial investigation. In consideration of evidence gathering and custodial issues students will be taught how to undertake the use of electronic discovery, a crucial component to any forensic accounting investigation complimented by the forensic accountant's responsibility throughout the investigation to issues of privacy and confidentiality.

ACCY957 Independent Accounting Expert Reports

Spring Wollongong On Campus
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 On Campus
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 Research Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The purpose of this subject is to provide students with an opportunity to undertake independent research in a specialised area of interest to the student. The topic is to be selected in consultation with the subject coordinator but must have a global or transnational focus drawn from subject areas such as financial crime, regulatory issues and corruption. While this is an independent research project, students will be required to consult on a regular basis with their supervisor throughout the session of enrolment. Research Projects are to be 12000 words in length.

ACCY961 Professional Practice - Accounting

Autumn Wollongong On Campus
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 includes a detailed examination of the relevant legislation relating to taxation, including income tax and the GST. The application of this legislation is also discussed.

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 and procedures, the accounting profession and measurement and disclosure in external financial reporting. This could include an examination of the consequences of regulation, alternative institutional arrangement for setting standards, the impact of accounting theory on standard setting, and a historical review of accounting regulation.

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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

Autumn Wollongong On Campus
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

Spring Wollongong On Campus
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

Annual Wollongong On Campus
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.

COMM980 Business Research Methods

Autumn 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 2008
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 2008
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 2008
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 2008
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

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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 2008
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 2008
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 2008
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 2008
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 Accounting Professionals

Spring	Wollongong	On Campus
Autumn	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 2008
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 2008
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

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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 2008
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

Not on offer in 2008
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 2008
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 Care

Autumn Wollongong On Campus
Autumn Wollongong Distance
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 2008
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 2008
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 2008
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 2008
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

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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 2008
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 2008
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 2008
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 2008
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

Spring Wollongong On Campus
Autumn 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

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

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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.

ECON982 International Economic Relations

Not on offer in 2008
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

Spring Wollongong On Campus
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 2008
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

Spring Wollongong On Campus
Autumn 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

Not on offer in 2008
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,

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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 Advanced Investment Analysis

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 Advanced 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 Advanced Financial Statement Analysis

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 Corporate 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

Autumn Wollongong On Campus
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

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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

Spring 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

Autumn Wollongong On Campus
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

Spring Wollongong On Campus
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

Autumn Wollongong On Campus
Spring Wollongong On Campus
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.

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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

Spring Wollongong On Campus
Autumn 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 2008
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

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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 2008
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 2008
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

Spring Wollongong On Campus
Autumn 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

Spring Wollongong On Campus
Autumn 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.

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

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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 2008
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

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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 2008
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 2008
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 2008
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

Spring Wollongong On Campus
Autumn Wollongong On Campus
Annual 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

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MGMT990 Minor Thesis

Annual 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.

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Faculty of Creative Arts

Member Units

School of Art and Design

- Visual Arts
- Graphic Design and New Media

School of Journalism and Creative Writing

- Journalism
- Creative Writing

School of Music and Drama

- Performance (Music and Theatre)
- Sound – Composition and Production

Courses Offered

Research

Doctor of Philosophy

Doctor of Creative Arts

Master of Arts – Research

Master of Arts – Research (Journalism)

Master of Creative Arts – Research

Coursework

Master of Creative Arts

Master of Journalism

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/index.html

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

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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 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 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 not yet have had substantial artistic experience, but should demonstrate high levels of promise and an appropriate standard of preparation.

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. In certain circumstances, students 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 (50%) combined with creative work (50%).

The thesis will be in the range of 60,000 to 90,000 words, with an equivalent workload where submission is by thesis and creative work. The exact nature of each submission will vary according to the students' 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 musical or dramatic 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. Assessment is by two external assessors.

Major Study Areas

School of Art and Design

Graphic Design and New Media

- Graphic Design
- Web Design
- Interactive Multimedia
- Digital Imaging
- Graphic Design and New Media Theory
- Photography

Visual Arts

- 2D and 3D Studio Practice [printmaking, textiles, painting and sculpture]
- Indigenous Arts
- Curatorial Theory and Practice
- Art History and Archaeology of Europe

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School of Journalism and Creative Writing

Creative Writing

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

School of Music and Drama

Music

- Composition
- Performance
- Digital and New Musics
- Audio/Visual, Screen Composition and Intermedia
- 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 based on submission of a thesis in a scholarly field and is intended for professional journalists interested in researching news media industry practice, new communication technology or organisational structure.

Entry Requirements / Assumed Knowledge

Applicants should have a relevant first degree with Honours Class II, Division 1 or higher, or a Masters program 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 a comprehensive proposal of 2,500 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 and verification of employment from their employer(s). Guidelines for submitting the research proposal are at: www.uow.edu.au/crearts/ under postgraduate studies.

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. 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.

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Major Study Areas

- Community Journalism
- Journalism and New Communication Technologies
- Comparative Media Systems
- Documentary Journalism
- Journalism Training and Education
- Journalism in Multicultural Contexts
- Media in Developing Countries
- Broadcast and Cinema Documentary Film
- Interactive Digital Media
- Political Journalism
- Journalism Ethics
- Investigative Journalism
- Journalism and Disability

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 MCA 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 DCA. 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 DCA program.

In certain circumstances, students may be required to commence their enrolment in the Master of Arts – Research or Master of Creative Arts – Research, and seek transfer to the DCA, when and if they achieve the required standard.

Outstanding arts practitioners without the required formal qualifications may be allowed to enrol in the DCA 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 DCA 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.

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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 work should be of a publishable standard, should 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.

Students presenting their work by exhibition or performance are required to present their dissertation for examination no later than three months after the final performance or exhibition. Students presenting their work by folio or similar means should present their dissertation and folio in one submission. 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 pages) or play script (90 minutes duration), or a combination of smaller pieces.

Graphic Design and New Media:

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

Music Composition:

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

Performance – Music:

A minimum of three performances of approximately 60 minutes in duration, demonstrating high levels of artistry, technical proficiency and focus. Such performances would normally include two or more of the following: a solo performance; an extended work as a featured artist in a group/ensemble context; a performance with electronic media and/or a lecture/performance. Performances at DCA level should take place within a recognised professional context.

Performance – Theatre:

Direction of a production of not less than 90 minutes duration; 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
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1301
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.

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Entry Requirements / Advanced Standing

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

Applicants without appropriate qualifications 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.

Course Requirements

Students are required to complete 72 credit points of 900 level subjects consisting of one 24 credit point coursework subject plus a 48 credit point thesis. 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.

Examples of creative work submission include a folio of compositions or writing, exhibition of artwork and musical or dramatic performances. As a guide, the submission of creative work would normally not constitute less than the expectations in the subjects MUS913, 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.

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

Course Program

Subjects		Session	Credit Points
CREA921	Research Topics in Creative Arts	Autumn or Spring	24
and			
THES924	Thesis full-time	Autumn and/ or Spring	24
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 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:	1301
CRICOS Code:	042553G

Overview

The Master of Arts – Research (Journalism) is suitable for professional journalists keen on acquiring a tertiary qualification or researching news media industry practice, new communication technology or organisational structure.

Entry Requirements / Assumed Knowledge

Applicants with an Honours Bachelor degree in an appropriate discipline at Class II, Division 1 or higher, or equivalent qualifications, may be granted advanced standing and be admitted directly into the Thesis.

Applicants without the appropriate qualifications or research background 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.

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 establishing 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.

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Applicants applying on the basis of professional media experience must include work samples and verification of employment from their employer(s). Guidelines for submitting the research proposal are at: www.uow.edu.au/crearts/ under Postgraduate Studies.

Advanced Standing

Applicants with an Honours Bachelor degree in an appropriate discipline at Class II, Division 1 or higher, or equivalent qualifications, may be granted advanced standing and admitted directly into the Thesis.

Course Requirements

The Master of Arts – Research (Journalism) course requires completion of JOUR992 (Research Topics in Journalism) and the submission of a scholarly thesis of approximately 50,000 words. Assessment is by two external assessors.

Course Program

Subjects		Session	Credit Points
JOUR992	Research Topics in Journalism	Spring	24
or			
ARTS901	Master of Arts Research Methods	Autumn	24
and			
THES924 THES912	Thesis full timeThesis part time	Autumn and/or SpringAutumn and/or Spring	2412

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.

Advanced Standing

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

Course Requirements

Students are required to complete 72 credit points of 900- level subjects consisting of two 12 credit point coursework subjects plus a 48 credit point major creative presentation.

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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 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 pages) or script (75 minutes duration), or a combination of smaller pieces.

Graphic Design and New Media:

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.

Music Composition:

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

Performance – Music:

Two performances of approximately 60 minutes in duration, demonstrating high levels of artistry, technical proficiency and focus. Such performances would normally be chosen from a solo performance; a performance as a featured artist in a group context; a performance with electronic media and/or a lecture/performance.

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 MCA-R is by two external assessors.

Course Program

Subjects		Session	Credit Points
THES924 THES912	Thesis full-timeThesis part-time	Autumn and/or SpringAutumn and/or Spring	2412
Plus coursework subjects in area of specialisation:Creative Writing			
WRIT910	Analysis of Texts	Autumn	12
WRIT911	Literary Composition	Spring	12
Graphic Design and New Media			
DESN910	Graphic Design and New Media Theory	Autumn	12
DESN911	Studies in Process and Analysis: Graphic Design and New Media	Spring	12
Music Performance			
MUS910	Music Analysis	Autumn	12
MUS912	Studies in Performance Technique	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

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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:	Mostly face-to-face plus 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.

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 and New Media:

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.

MUS913 Major Presentation – Music Performance:

A 50-minute performance for acoustic, amplified or electronic instruments or voice, given in the final session of a student's full-time enrolment (or equivalent) is required. The program should be approved by the supervisor(s) by the end of the first session of enrolment. A second 20-30 minute performance of a substantial nature is also required. The work (which may, in the case of longer works – be a movement section) should be chosen in consultation with the supervisor(s).

MUS914 Major Presentation – Music Composition:

Submission of a portfolio of at least four compositions, including one major work for large resources or performance media; sketches, recordings and other supporting material; and analytical commentaries on the works submitted of approximately 2,000 words is also required.

THEA913 Major Presentation – Theatre:

The Major Presentation is the planning and implementation of a practical demonstration of the student's work. Students will give a public presentation accompanied by a 2,000 word analysis of the process undertaken with appropriate annotation and commentary. The parameters of the presentation 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 pages); or a (60-minute) theatre/film/television script.

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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.

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 and New Media			
DESN910	Graphic Design and New Media Theory	Autumn	12
DESN911	Studies in Process and Analysis: Graphic Design and New Media	Spring	12
DESN913	Major Presentation - Graphic Design and New Media	Annual	24
Music Performance			
MUS910	Music Analysis	Autumn	12
MUS912	Studies in Performance Technique	Spring	12
MUS913	Major Presentation - Music Performance	Annual	24
Music Composition			
MUS910	Music Analysis	Autumn	12
MUS915	Studies in Composition Technique	Spring	12
MUS914	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
VISA911	Studies in Process and Analysis: Visual Arts	Spring	12
VISA913	Major Presentation - Visual Arts	Annual	24

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 and Distance Mode
Starting Session(s):	Autumn
Location:	Wollongong, Distance
UOW Course Code:	573, DE573
CRICOS Code:	026812E

Overview

The Master of Journalism 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.

The educational foundation for the course is built on practical skills – oriented towards the legal, philosophical, ethical, and critical aspects of the news media in the context of comparative journalistic realities.

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Entry Requirements / Assumed Knowledge

A Bachelor degree (any discipline) or equivalent from a recognised institution, with a credit average or higher. Qualified journalists 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 (refer to application form). If applying on basis of industry experience, samples of work published in the print or electronic media are required, as well as letter(s) from employer(s) to verify details of employment.

All applicants must be able to provide documented proof of English language proficiency. The University of Wollongong's English Language Requirements are outlined at www.uow.edu.au/prospective/international/english/index.html. Selected applicants may be required to attend an interview.

Advanced Standing

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

Course Requirements

The program of study for the Master of Journalism must total 48 credit points. The four core subjects JOUR901, JOUR902, JOUR903 and JOUR933 must be completed successfully before commencing the requisite 24 credit points of elective subjects unless the Program Co-ordinator determines otherwise. Exemption from core subjects may be granted by the Co-ordinator on the basis of documented professional experience.

With the approval of the Co-ordinator, students may take a maximum of three subjects from other postgraduate and undergraduate courses where it can be shown that this will assist in the development of specialist skills in journalism. Students may also complete a major project approved by the Co-ordinator, or an internship in a professional media organisation, or such field work as the Program Co-ordinator may prescribe.

Students using on-line WebCT Vista to access course materials will need to have access to a computer with a cross-platform capability and have a web browser and Acrobat Reader installed.

All students will be required to use a University email account. Off-campus students may receive either printed hard copy or access to digital online based materials for subjects (on offer), and in some cases video materials will be provided.

Students will need to discuss their proposed program with an academic adviser from Journalism prior to enrolment.

Course Program

Subjects		Session	Credit Points
Compulsory			
JOUR901	News & Feature Writing	Autumn: Wollongong, Distance	6
JOUR902	Journalistic Method & Practice	Autumn: Wollongong, Distance	6
JOUR903	Ethics, Law & Standards	Autumn: Wollongong, Distance	6
JOUR933	On Line & Research Journalism	Autumn: Wollongong, Distance	6
Electives			
JOUR931	Radio Journalism	Spring: Wollongong, Distance	6
JOUR932	Television Journalism	Spring: Wollongong, Distance	6
JOUR934	Print Production & Publication	Spring: Wollongong, Distance	6
JOUR922	Multicultural & International Journalism	Spring: Wollongong, Distance	6
JOUR945	Advanced Journalism Project	Spring: Wollongong, Distance	6
JOUR991	Major Journalism Project	Spring: Wollongong, Distance	12

Note: Not all subjects are offered each session.

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SUBJECT DESCRIPTIONS

CREA921 Research Topics in Creative Arts

Spring2008/Autumn2009 Wollongong On Campus
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 provides students enrolled in the Master of Arts - Research 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; 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 the Master of Arts - Research thesis. 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.

DESN910 Graphic Design and New Media Theory

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores key aspects of contemporary graphic design and new media practice and theory 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. It overviews production processes and technical concerns of emerging technologies at both an individual and an industrial level. Guest designers and industry representatives will lead discussion on relevant design issues.

DESN911 Studies in Process and Analysis - Graphic Design and New Media

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 demonstate 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 and New Media

Annual Wollongong On Campus
Spring2008/Autumn2009 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. A detailed outline of the proposed creative project must be submitted within the first 6 weeks of the program. A cross-disciplinary approach may be possible.

DESN921 Creative Industries: Design for Interactive Multimedia

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count with DESN129.
Subject Description: This subject provides an introduction to design fundamentals and visual design for interactive multimedia production. Students will explore formal composition principals, application of type and image, and approaches to digital layout. Within a framework of weekly lectures and tutorials, students will be required to undertake research and develop design concepts and solutions to set project briefs.

JOUR901 News and Feature Writing

Autumn Wollongong On Campus
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This foundation subject develops basic skills in straight news reporting to extended feature writing for newspapers and magazines. Attention will be given to subjective aspects of news and feature writing, including the use of comment and opinion; colour stories; the contribution of 'new journalism' to writing human interest stories; interviewing and information gathering techniques; and the application of conventional news values to reporting.

JOUR902 Journalistic Method & Practice

Autumn Wollongong Distance
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject considers the basic attributes of news, the nature of news construction, theories of news making and the structure of news narratives. It takes students through the process of initiating to the completion of a news assignment. Practical areas of discussion are: the structure and conventions of a news round, use of recording devices, interview techniques, working with photographers and camera teams, packaging of news copy, news construction, follow-ups and news management.

JOUR903 Ethics, Law and Standards

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

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Co-requisites: None
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.

JOUR922 Multicultural and International Journalism

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Multicultural Journalism 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. It will give practical instruction in multicultural print, electronic and multi-media news applications. Particular emphasis is placed on differences between news production and presentation in multicultural media and traditional media.

JOUR931 Radio Journalism

Spring Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides advanced skills in script writing, editing, producing and presenting radio news and current affairs programs. The course has a strong practical component.

JOUR932 Television Journalism

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

JOUR933 On-Line and Research Journalism

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

JOUR934 Print Production and Publication

Spring Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on the production of inhouse newsletters and magazines by a combination of conventional techniques and desktop publishing. Topics include copy preparation and editing, principles of typography, news layout, news illustration, production planning and desktop publishing applications.

JOUR945 Advanced Journalism Project

Spring Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
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.

JOUR991 Major Journalism Project

Spring Wollongong Distance
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to give students the opportunity to undertake either a major research project or substantial supervised practical work. In particular, it allows students to complete an internship with a media organisation. Such placement should generally have a minimum duration of six weeks. Students on internship are required to submit detailed records of their work experience, supported by verification from the media organisation, and an internship report of 3,000 words. Research projects should be linked directly to subject areas represented in the journalism schedule, and may include an essay of 10,000 words, visual, sound or multi-media components. Students may undertake

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a directed reading program that would lead to the completion of a major essay. Possible topics should be discussed with the appropriate lecturer or supervisor.

JOUR992 Research Topics in Journalism

Annual Wollongong Distance
Spring Wollongong Distance
Autumn Wollongong Distance
Spring2008/Autumn2009 Wollongong Distance
Autumn Wollongong On Campus
Annual Wollongong On Campus
Spring Wollongong On Campus
Spring2008/Autumn2009 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.

MUS 910 Music Analysis

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students will undertake research-based analysis that addresses specific aspects of their musical practice in performance and/or composition. The study may draw on material such as historical survey, critical commentary, verbal history, archival and other material relevant to the particular areas of theoretical and creative interest.

MUS 912 Studies in Performance Technique

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students will undertake research into aspects of performance technique on their chosen instrument, and present the outcomes of this research at a performance seminar.

MUS 913 Major Presentation - Music Performance

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: A 50-minute performance for acoustic, amplified or electronic instruments, or voice, given in the final session of a student's full-time enrolment (or equivalent), is required. The program should be approved by the supervisor/s by the end of the first session of enrolment. A second 20-30 minute performance of a substantial nature is also required. The work (which may, in the case of longer works, be a movement or section) should be chosen in consultation with the supervisor(s). Detailed annotations for both perfromances of approximately 2,000 words, must be provided four weeks in advance of performance dates. 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.

MUS 914 Major Presentation - Music Composition

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: Submission of the following is required: 1. A portfolio of at leat four compositions, including one major work for large resources or performance media. 2. Sketches, recordings and other suppporting material. 3. Analytical commentaries on the works submitted of approximately 2,000 words. The submission is due in the final session of a student's full-time enrolment (or equivalent). 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.

MUS 915 Studies in Composition Technique

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students will participate in composition seminars and workshops as necessary. They will be required to create a folio of short works in genres determined following discussions with their supervisor/s. Students may work on their own or collaboratively, and should be prepared to present a paper on their work for undergraduate composition forums. They are required to maintain regular contact with their supervisor/s as their portfolio develops. The portfolio may be based on the student's research interests.

THEA910 Theatre Analysis

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students will undertake research based analysis which may include the survey of historical and archival material, verbal history, critical commentary or the investigation of contemporary performance/production methodologies. This analysis should address a particular aspect of the dramaturgy. All work must be submitted by the last teaching week of session.

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THEA911 Advanced Techniques in Theatre

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Students will pepare a written exegesis of their creative work. This subject is designed to facilitiate the development of clear research objectives and appropriate methodologies, as well as a critical understanding of the literature relevant to the field of practice. All work must be submitted by the last teaching week of session.

THEA913 Major Presentation - Theatre

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisites: None
Subject Description: The Major Presentation is the planning and implementation of a practical demonstration of the student's work. Students will give a public presentation accompanied by a 2,000 word analysis of the process undertaken with appropriate annotation and commentary. The parameters of the Presentation must be negotiated with the supervisor/s. 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.

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
Spring2008/Autumn2009 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. Preparation of the Major Presentation should occupy students for at least four hours per day for the period of enrolment. 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 work for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

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.

WRIT911 Literary Composition

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: In fortnightly seminars 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 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.

WRIT913 Major Presentation - Creative Writing

Annual Wollongong On Campus
Spring2008/Autumn2009 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 work for the major presentation to their supervisor/s by the fourth week of enrolment. A cross-disciplinary approch may be possible.

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Faculty of Education

Research Units

Centre for Educational Leadership
Centre for Research into Language and Literacy (CRILL)
Child Obesity Research Centre (CORe)
Child and Youth Interdisciplinary Research Centre (CYIRC)
Educational Media Lab (emlab)
Learning for the Learner (LNL)
Research Centre for Interactive Learning Environments (RILE)

Courses Offered

Research Degrees

Doctor of Philosophy
Doctor of Education
Master of Arts - Research
Master of Education - Research
Master of Science 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 Vocational Education and Training
Graduate Diploma in Higher Education
Graduate Diploma in Education
Graduate Diploma in TESOL
Graduate Certificate in Adult Education
Graduate Certificate in Computer Based Learning
Graduate Certificate in Educational Leadership
Graduate Certificate in Gifted Education
Graduate Certificate in Higher 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/index.html
International - www.uow.edu.au/prospective/international/fees/

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Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Education
Duration:	3 years full-time or 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 to pursue in-depth research in a range of areas associated with those undertaken by the Research Units within the Faculty of Education. Higher Degree Research students are encouraged to undertake study associated with the research focii of these Centres and/or the areas of research strength of the faculty indicated by the specialisations of the postgraduate teaching programs.

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 Associate Dean (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. EDGZ922, EDGZ924). 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 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

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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.

Advanced Standing

Advanced standing of up to 12 credit points may be granted for previous graduate study at MEd level.

Course Requirements

1. The program for the degree will require successful completion of:

i) 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;

b) EDGZ922 Conducting Research and Inquiry;

c) 6 credit points by further research preparation through selection of subjects from EDGZ950-960; EDGI955, EDGZ965 or equivalent with agreement of the Associate Dean (Research);

d) EDGZ924 Research Proposal, to be successfully completed before commencement of the thesis component;

ii) And a supervised thesis (THES912/924), to be examined externally. This thesis will contribute to two thirds of the total assessment for this award.

2. Each candidate will be required to select a program of study in consultation with their supervisor(s) and the Associate Dean (Research) 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
THES912THES924	Plus subjects chosen from the lists below totalling 24 cp	96
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
EDGL920	Leading, Developing & Managing People	6
EDGL922	Law 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		

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EDGR911	Teaching Reading*	8
EDGR912	Teaching Writing*	8
EDGH957	Multiliteracies and Numeracies in Adult Education/VET/Higher Education	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.Recommended elective subjects include:

EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGL901	Foundations of Educational Leadership	6
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
EDGS911	Project in Exceptional Education Practices	2
EDGS912	Contemporary Perspectives in the Education of Children with Diverse Needs	6
EDGS913	Project in Contemporary Perspectives	2
EDGS914	Assessment and Instruction of Individuals with Moderate to Severe Needs	6
EDGS915	Programs for Individuals with Moderate to Severe Needs	2
EDGS916	Models of Behaviour Management	6
EDGS917	Programming for Behaviour Management	2
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS919	Reading Difficulties: Program Design and Implementation	2
EDGS920	Language and Communication Difficulties: Theory and Practice	6
EDGS921	Language-Related Learning Difficulties: A Case Study	2
EDGS922	Teaching Gifted Children	6
EDGS923	Project in Gifted Education	2
EDGS924	Giftedness in Special Populations	6
EDGS925	Project in Dual Exceptionality	2

*Compulsory subject for major in Special EducationRecommended elective subjects include:

EDGL909	Leadership of Effective Change	8
EDGA917	International and Intercultural Perspectives	8
EDGL901	Foundations of Educational Leadership	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	6
EDGT936	Management, Policy and Curriculum in TESOL	6
EDGT940	Materials and Technology in Second Language Teaching	6

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EDGT976	Text and Context	6
EDGT983	Assessment in TESOL	6
EDGT984	Theories of Second Language Learning	6
EDGT985	English in Specific Contexts	6
Recommended elective subjects include:		
EDGL909	Leadership of Effective Change	6
EDGA917	International and Intercultural Perspectives	8
Interdisciplinary Studies in Education		
ESGX901	Psychology for Educators	6
EDGX902	Educational Sociology: Culture, Society and Education	6
EDGX910	Researching Children	6
EDGX917	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
EDGZ925	Advanced Seminar	8
EDGZ926	Professional Project	12
EDGZ922	Conducting Research and Inquiry*	6
EDGZ924	Research Proposal*	6
EDGZ951	Poststructuralist/Postmodernist Research	2
EDGZ952	Interviews As Research Method	2
EDGZ953	Correlation Research	2
EDGZ954	Evaluation Research	2
EDGZ955	Developing Grounded Theory In Qualitative Research	2
EDGZ956	Research Methods In Language Education	2
EDGZ957	Feminist Research	2
EDGZ958	Discourse Analysis	2
EDGZ959	Questionnaire Construction	2
EDGZ960	Case Study Research	2
EDGZ965	Vygotskian Studies in Education	4

* Compulsory subjects in EdD

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Master of Arts - Research

Testamur Title of Degree:	Master of Arts - Research
Abbreviation:	MA-Research
Home Faculty:	Education
Duration:	1.5 years full-time equivalent
Total Credit Points:	72
Delivery Mode:	Flexible
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1301
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:

- research methods subjects to the value of 24 credit points including EDGZ924 - Research Proposal (6cp) and the remaining subjects chosen In consultation with supervisors and the Associate Dean, Research
- a thesis embodying the results of an investigation to the value of 48 credit points (THES912/924).

Course Program

Subjects		Credit Points
EDGZ921	Introduction to Research and Inquiry*	6
EDGZ922	Conducting Research and Inquiry*	6
EDGZ924	Research Proposal	6
THES912THES924	Research Thesis	48

*As required depending on prior research training and experience.Plus 6 credit points chosen from the following Research Methodology subjects:

EDGZ951	Poststructuralist/Postmodernist Research	2
EDGZ952	Interviews As Research Method	2
EDGZ953	Correlation Research	2
EDGZ954	Evaluation Research	2
EDGZ955	Developing Grounded Theory In Qualitative Research	2
EDGZ956	Research Methods In Language Education	2
EDGZ957	Feminist Research	2
EDGZ958	Discourse Analysis	2
EDGZ959	Questionnaire Construction	2
EDGZ960	Case Study Research	2
EDGZ965	Vygotskian Studies in Education	4

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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 equivalent
Total Credit Points:	72
Delivery Mode:	Flexible
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.

Course Requirements

1. The degree program comprises:

– research methods subjects to the value of 24 credit points including EDGA924 - Research Proposal (6cp) and the remaining subjects chosen in consultation with supervisor and the Associate Dean (Research);

– a thesis embodying the results of an investigation to the value of 48 credit points (THES912/924).

2. 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 Program

Subjects		Credit Points
EDGZ921	Introduction to Research and Inquiry*	6
EDGZ922	Conducting Research and Inquiry*	6
EDGZ924	Research Proposal	6
THES912THES924	Research Thesis	48

*As required based on prior research training and experience.Plus 6 credit points chosen from the following Research Methodology subjects:

EDGZ951	Poststructuralist/Postmodernist Research	2
EDGZ952	Interviews As Research Method	2
EDGZ953	Correlation Research	2
EDGZ954	Evaluation Research	2
EDGZ955	Developing Grounded Theory In Qualitative Research	2
EDGZ956	Research Methods In Language Education	2
EDGZ957	Feminist Research	2
EDGZ958	Discourse Analysis	2
EDGZ959	Questionnaire Construction	2
EDGZ960	Case Study Research	2
EDGZ965	Vygotskian Studies in Education	4

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Master of Science Education -Research

Testamur Title of Degree:	Master of Science Education - Research
Abbreviation:	MScEd-Research
Home Faculty:	Education
Duration:	4 years part time or 2 years full-time
Total Credit Points:	72
Delivery Mode:	Flexible
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1337
CRICOS Code:	N/A

Overview

This course meets professional learning needs for Science teachers in NSW and is accessible by flexible mode. It may also be appropriate for other teachers or students with suitable qualifications and experience. It is research-based to deal with contemporary issues associated with Science education and practices.

The course is delivered through a mixture of on-line and intensive on-campus workshops. However, if students prefer, they can attend on campus and be part of the full-time research culture of the university.

Entry Requirements

Entry is available to candidates with a Bachelors degree in Science with a distinction average plus an appropriate teaching qualification, or a Bachelors degree and appropriate teaching qualification, and additional research experience deemed appropriate (or equivalent).

Course Requirements

1. The degree program shall involve:

a) EDGZ922 Conducting Research & Inquiry (6 credit points)
(Pre requisite will be an Introduction to Research in an undergraduate degree OR EDGZ921 Introduction to Research & Inquiry)

b) EDGZ924 Research Proposal: (6 credit points), online with at least one compulsory meeting with the supervisors.

c) 12 credit points at 900-level chosen in consultation with course co-ordinator.

2. Full-time students complete 24 credit points of coursework in one session (all subjects are currently available in both sessions) and then have 12 months to complete their thesis.
3. Part time students follow the same schedule as full-time students but can extend their enrolment over 3 or 4 years.
4. Mid-year enrolments can be accepted for full-time and part-time students.

Course Program

Core Subjects

Faculty of Education		Credit Points
EDGZ922	Conducting Research & Inquiry	6
(Pre requisite will be an Introduction to Research in an undergraduate degree OR EDGZ921 Introduction to Research & Inquiry)		
EDGZ924	Research Proposal(online with at least one compulsory meeting with the supervisors)	6

Elective Subjects

12 credit points at 900-level to be chosen from the following:

Faculty of Science		Credit Points
EESC950	Advanced Topic A	12
ENVI919	Directed Studies in Environmental Science A	12
BIOL983	Research Methods in Biotechnology A	12
BIOL992	Literature Review A	12
BIOL993	Research Project A	12
CHEM915	Advanced Chemistry Laboratory Project A	12
CHEM919	Literature Report in Chemistry A	12

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OR other subjects approved by the Course Coordinator		12
Faculty of Engineering		**Credit Points**
PHYS910	Advanced Project in Physics A	6
PHYS947	Special topic in Physics A	6
OR other subjects approved by the Course Coordinator		12
Plus:Thesis		
THES912THES924	Research Thesis	48

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 or part time equivalent
Total Credit Points:	48
Delivery Mode:	On line
Starting Session(s):	Autumn, Spring
Location:	Wollongong/Distance
UOW Course Code:	571, DE571
CRICOS Code:	042531C

Overview

The Master of Arts specialising in Information Technology in Education and Training is aimed at those who wish to develop information and communication technology application for training and educational contexts. It is a professional development program which introduces the design process for multimedia and discusses issues such as how the Internet and other computer mediated learning can support learning.

Other topics covered in the program include: the design of CD-Rom products, digital media projects, cognition and interface design, using websites and networks for learning and the evaluation of technology-based learning systems. It differs from the MEd program in that no formal educational background 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.

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, Distance
UOW Course Code:	576, DE576
CRICOS Code:	000289M

Overview

The Master of Education is an introductory higher degree for teachers and educators wishing to pursue advanced studies in their area of interest.

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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 as a candidate for the Master of Education, a student must have qualified for a Bachelors 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.

Candidates who do not meet this requirement may be considered for admission to an extended (72 credit point) 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

1. 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; 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 Teaching Program coordinator.

Students should discuss their proposed course of study with the relevant Program Coordinator. Teaching accreditation may depend on subject choice.

2. A candidate may be eligible to include a major study area on the final degree testamur (eg MEd majoring in Information Technology or MEd majoring in Special Education). In order to qualify for a major to be recorded on the degree testamur, a candidate must complete at least 30 credit points from the chosen Program area. Joint majors will not be recorded.

3. Entry to Doctoral degrees (EdD or PhD) may be available to candidates who meet the University entry requirements for Doctoral candidature. Normally this would be an appropriate Masters degree, completed at credit (65%) level or better.

Advanced Standing

The Faculty of Education may approve up to 12 credit points of Advanced Standing 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.

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 Advanced Standing 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

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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

* Compulsory subjects for a major study in Educational LeadershipAs 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

Literacy

EDGH957	Multiliteracies and Numeracies in Adult Education/VET/Higher Education	8
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
EDGS911	Project in Exceptional Education Practices	2
EDGS912	Contemporary Perspectives in the Education of Children with Diverse Needs	6
EDGS913	Project in Contemporary Perspectives	2
EDGS914	Assessment and Instruction of Individuals with Moderate to Severe Needs	6
EDGS915	Programs for Individuals with Moderate to Severe Needs	2
EDGS916	Models of Behaviour Management	6
EDGS917	Programming for Behaviour Management	2
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS919	Reading Difficulties: Program Design and Implementation	2
EDGS920	Language and Communication Difficulties: Theory and Practice	6
EDGS921	Language-Related Learning Difficulties: A Case Study	2
EDGS922	Teaching Gifted Children	6
EDGS923	Project in Gifted Education	2
EDGS924	Giftedness in Special Populations	6
EDGS925	Project in Dual Exceptionality	2

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

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* Core subject in TESOL MEd program

Interdisciplinary SpecialisationThese 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
EDGA917	International and Intercultural Perspectives	8

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

Research Methodology & Project SubjectsSubjects 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 above in the section Patterns of Study.

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
EDGZ922	Conducting Research and Inquiry	6
EDGZ924	Research Proposal	6
EDGZ925	Advanced Seminar	8
EDGZ926	Professional Project	12
EDGZ965	Vygotskian Studies in Education	4

* Compulsory subject in all MEd programs.

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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 & 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. The program on offer in 2008 has been reviewed, and the program below replaces the previous program offered in conjunction with Charles Stuart University. Continuing students wishing to discuss their progression in the new program should contact the PE 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
EDGI911	Information Technology in Education and Training	6
EDGI912	Project for EDGI911	2
EDGI913	Instructional Strategies and Authoring	6
EDGI914	Project for EDGI913	2
EDGZ903	Minor Project	8

Elective subjects:

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

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Graduate Diploma in Adult Education
Graduate Diploma in Higher Education
Graduate Diploma in Vocational Education and Training

Testamur Title of Degree:	Graduate Diploma in Adult Education
Abbreviation:	GDipAdultEd
Home Faculty:	Education
Duration:	1 year or part time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	677
CRICOS Code:	053884J

Testamur Title of Degree:	Graduate Diploma in Higher Education
Abbreviation:	GDipHigherEd
Home Faculty:	Education
Duration:	1 year or part time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	678
CRICOS Code:	053885G

Testamur Title of Degree:	Graduate Diploma in Vocational Education and Training
Abbreviation:	GDipVET
Home Faculty:	Education
Duration:	1 year or part time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	679
CRICOS Code:	053886G

Overview

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 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

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The program is offered in online mode and will have options for total online and mixed mode delivery depending on student and client needs. Continuing students in the GDipAdultEd program should consult with the Specialisation Co-ordinator to discuss transition arrangements.

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
EDGH957	Multiliteracies and Numeracies in Adult Education/Higher Education and VET	8

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

Graduate Diploma in Education

Testamur Title of Degree:	Graduate Diploma in Education
Abbreviation:	GDipEd
Home Faculty:	Education
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong Shoalhaven (Primary only) Bega (Primary only)
UOW Course Code:	621, SH621, BE621
CRICOS Code:	003376K

Overview

The Graduate Diploma in Education provides a professional course of pre-service education for intending primary and secondary school teachers. It also serves as an introduction to the study of education for those who wish to pursue further studies in the field, for example, at Masters level. 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, over an extended academic year of 36 teaching weeks from mid February to late November. It is not possible to study the course part-time, or to commence the course in the middle of the year.

The GDipEd program involves lectures, seminars, tutorials, individual assignments, group exercises and eleven weeks of full-time work in local schools. Methods work and practice teaching are provided in co-operation with local schools. Students are advised that the structure of the course makes it essential that it be undertaken as full-time study.

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. It may be necessary to restrict enrolments. In such a case, selection to the course will be made on the basis of academic merit and suitability of the first degree to teaching requirements. Preference will be given to graduates of the University of Wollongong. A

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statement of interests and experience in Education will also 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.

Each session is divided into a number of blocks, each of which is either school or University based. As a result the course timetable changes several times during the year. Details of lecture contact hours and other time commitments expected of students are outlined in the Graduate Diploma of Education Handbook distributed to students at the beginning of the academic year.

Students are required to successfully complete the Core and Methods subjects relevant to their particular area of study. Methods subjects are central to the program and are offered throughout the year. The Method areas which are available may differ from year to year. Secondary Methods currently offered are: Commerce/Business Studies, Legal Studies, Geography, History, English, Computing Studies, Drama, French, Mathematics, Science, Art, Music, Physical and Health Education. Primary Method students undertake Primary Method A and Primary Method B.

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 letter from the NSW Department of Education and Training stating that the student's undergraduate program is acceptable to the Department for recognition as a teacher of the chosen methods area(s) is compulsory for each student in their application.

Course Program

Subjects		Credit Points
For those students pursuing secondary school methods:		
EDGC800	Practicum	0
EDGC811	Understanding Learning A	6
EDGC812	Professional Skills A (not Physical and Health Education students)	6
EDGC813	Learning and Teaching Contexts A	6
EDGC814	Professional Skills A (PE/Health students ONLY)	6
EDGC821	Understanding Learning B	6
EDGC822	Professional Skills B (not Physical and Health Education students)	6
EDGC823	Learning and Teaching Contexts B	6
EDGC824	Professional Skills B (PE/Health students ONLY)	6
Plus 12 credit points of Secondary MethodsFor those students pursuing primary school methods:		
EDGC800	Practicum	0
EDGC811	Understanding Learning A	6
EDGC812	Professional Skills A	6
EDGC813	Learning and Teaching Contexts A	6
EDGC821	Understanding Learning B	6
EDGC822	Professional Skills B	6
EDGC823	Learning and Teaching Contexts B	6
Plus 12 credit points of Primary Methods		

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Graduate Diploma in TESOL

Testamur Title of Degree:	Graduate Diploma in TESOL
Abbreviation:	GDipTESOL
Home Faculty:	Education
Duration:	1 year or part time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus, Distance
Starting Session(s):	Autumn/SpringEDU Distance intakes
Location:	Wollongong, Distance
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 participants 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).

Advanced Standing

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 12 credit points Advanced Standing..

Course Program

The GradDipTESOL consists of subjects chosen from the list below, including a Practicum/Project (48 credit points in total). 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
EDGT933	Practicum or Project in TESOL*(Distance students only)	6
EDGT934	Teaching Pronunciation and Prosody	6
EDGT935	Teaching English in International Contexts(Distance students only)	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

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EDGT983	Assessment in TESOL	6
EDGT984	Theories of Second Language Learning*	6

* EDGT930, EDGT984 and one of EDGT933 or 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:	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).

Advanced Standing

Students who wish to continue onto the MEd or GDipAdult Education programs 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 advanced standing will be granted towards the MEd or GDipAdultEd.

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

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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 or equivalent part time
Total Credit Points:	24
Delivery Mode:	On Campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong, Distance
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).

Advanced Standing

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 advanced standing 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 Educational Leadership

Testamur Title of Degree:	Graduate Certificate in Educational Leadership
Abbreviation:	GCertEdLead
Home Faculty:	Education
Duration:	1 session or equivalent part time
Total Credit Points:	24
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn, Spring
Location:	Wollongong/Distance
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.

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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).

Advanced Standing

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 advanced standing will be granted towards the MEd.

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 or equivalent part time
Total Credit Points:	24
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1109
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).

Advanced Standing

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 advanced standing will be granted towards the MEd.

Course Program

Students must complete 24cp chosen from the subjects listed below:

Subjects		Credit Points
EDGX901	Psychology for Educators	6
EDGS911	Project in Exceptional Education Practices	2
EDGS922	Teaching Gifted Students	6
EDGS923	Project in Gifted Education	2
EDGS924	Giftedness in Special Populations	6
EDGS925	Project in Dual Exceptionality	2
EDGS912	Contemporary Perspectives in the Education of Students with Diverse Needs	6
EDGS913	Project in Contemporary Perspectives	2

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Graduate Certificate in Higher Education

Testamur Title of Degree:	Graduate Certificate in Higher Education
Abbreviation:	GCertHighEd
Home Faculty:	Education
Duration:	1 session or equivalent part time
Total Credit Points:	24
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
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 Advanced Standing 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).

Advanced Standing

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 advanced standing 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

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Graduate Certificate in Literacy

Testamur Title of Degree:	Graduate Certificate in Literacy
Abbreviation:	GCertLiteracy
Home Faculty:	Education
Duration:	1 session or equivalent part time
Total Credit Points:	24
Delivery Mode:	On Campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong, Distance
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.

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).

Advanced Standing

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 advanced standing will be granted towards the MEd.

Course Program

Subjects		Credit Points
EDGR911	Teaching Reading	8
EDGR912	Teaching Writing	8
Plus one of the following:		
EDGH957	Multiliteracies and Numeracies in Adult Education/Higher Education and VET	8
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 or equivalent part time
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.

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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).

Advanced Standing

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 advanced standing will be granted towards the MEd.

Course Program

Subjects		Credit Points
Four compulsory subjects (totalling 16 credit points) in the major study area:		
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

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
EDGP 901	Adolescent Health Studies I	6
EDGP902	Adolescent Health Studies II	6
EDGP903	Promoting Physical Activity I	6
EDGP904	Promoting Physical Activity II	6

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Graduate Certificate in Special Education

Testamur Title of Degree:	Graduate Certificate in Special Education
Abbreviation:	GCertSpecialEd
Home Faculty:	Education
Duration:	1 session or equivalent part time
Total Credit Points:	24
Delivery Mode:	Face-to-face with online support
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).

Advanced Standing

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 advanced standing will be granted towards the MEd.

Course Program

Students must complete 24cp chosen from the following subjects:

Subjects		Credit Points
EDGX901	Psychology for Educators	6
EDGS911	Project in Exceptional Education Practices	2
EDGS912	Contemporary Perspectives in the Education of Children with Diverse Needs	6
EDGS913	Project in Contemporary Perspectives	2
EDGS914	Assessment and Instruction of Individuals with Moderate to Severe Needs	6
EDGS915	Programs for Individuals with Moderate to Severe Needs	2
EDGS916	Models of Behaviour Management	6
EDGS917	Programming for Behaviour Management	2
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS919	Reading Difficulties: Program Design and Implementation	2
EDGS920	Language and Communication Difficulties: Theory and Practice	6
EDGS921	Language-Related Learning Difficulties: A Case Study	2

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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 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
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

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent). It is expected that candidates have some teaching experience or qualification.

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).

Advanced Standing

Students who wish to continue onto the MEd program may transfer up to 12 credit points for subjects completed in a Graduate Certificate program.

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
EDGT933	Practicum or Project in TESOL*	6
	(distance students only)	
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

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EDGT984	Theories of Second Language Learning	6
EDGT985	English in Specific Contexts	6

* EDGT930 and one of EDGT933 or EDGT937 or EDGT938 are core subjects in the GCertTESOL.

Graduate Certificate in Vocational Education and Training

Testamur Title of Degree:	Graduate Certificate in VET
Abbreviation:	GCertVET
Home Faculty:	Education
Duration:	1 session or equivalent part time
Total Credit Points:	24
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
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.

Students who successfully complete the Graduate Certificate in Adult Education would be eligible to enrol in the Graduate Diploma in Adult Education and Training with Advanced Standing for three subjects on condition that the applicant surrenders the Graduate Certificate.

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).

Advanced Standing

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 advanced standing 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

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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

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SUBJECT DESCRIPTIONS

EDGA917 International & Intercultural Perspectives

Spring Wollongong On Campus
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
Spring 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. The current move to standards and benchmarks will be addressed.

EDGA987 Children's Literature

Autumn Wollongong Flexible
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

Autumn 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.

EDGC800 Practicum

Annual Bega On Campus
Annual Shoalhaven On Campus
Annual Wollongong On Campus
Credit Points: 0
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is compulsory practicum component of the degree. It focuses on field experience in schools and on practice teaching in schools. Emphasis is placed on lesson planning and classroom management, and catering for a diversity of learners in the classroom. Students will also be required to reflect on the role of the teacher in child protection and welfare.

EDGC801 Professional Experience

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDGC800 Practicum, or equivalent
Co-requisites: None
Subject Description: This subject is specifically designed to meet the needs of students enrolled in Methods subjects only, to meet the requirements of the NSW Dept. of Education for re-classification. This subject is the compulsory professional experience component of the program for teachers seeking reclassification. It focuses on professional experience and practice teaching in schools. Emphasis is placed on lesson planning and classroom management, and catering for a diversity of learners in the classroom. Students will also be required to reflect on the role of the teacher in child protection and welfare.

EDGC802 Professional Experience

Not on offer in 2008
Credit Points: 6
Pre-requisites: EDGC800 Practicum or equivalent
Co-requisites: None
Subject Description: This subject is specifically designed to meet the needs of students enrolled in Methods subjects only, to meet the requirements of the NSW Dept. of Education for re-classification. This subject is the compulsory professional experience component of the program for teachers seeking reclassification. It focuses on professional experience and practice teaching in schools. Emphasis is placed on lesson planning and classroom management, and catering for a diversity of learners in the classroom. Students will also be required to reflect on the role of the teacher in child protection and welfare.

EDGC811 Understanding Learning A

Spring Bega On Campus
Spring Shoalhaven On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to develop understandings related to the nature of the learner and the role of the teacher in developing effective teaching and learning strategies to meet the needs

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of all learners. Issues such as mild intellectual disabilities, physical disabilities and high risk literacy learners are investigated throughout this subject.

EDGC812 Professional Skills A

Autumn Bega On Campus
Autumn Wollongong On Campus
Autumn Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers the skills required of teachers as professionals. Emphasis on the development of language and literacy skills, encompassing communication, listening, interviewing, library researching, reporting and personal use of information and communication technology. Focus on developing awareness of school culture and the wider community, developing skills in intercultural communication, class management and protocol to support student welfare. Tertiary literacy development is expressed through the organization and presentation of assessment tasks in a developing portfolio.

EDGC813 Learning and Teaching Contexts A

Autumn Bega On Campus
Autumn Wollongong On Campus
Autumn Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject involves a critical study of the educational policies, historical, social and cultural contexts and philosophical underpinnings of education as they apply to the experiences of learners in NSW and Australian schools. It focuses on the diversity of school contexts. Teachers' values and the ways in which teachers assess and evaluate the outcomes of student learning are systematically explored in conjunction with processes of curriculum development, implementation and evaluation in NSW and Australian schools. Emphasis is placed on the ways in which gender, aboriginality, ethnicity, class, sexuality and difference are constructed. Language use, teaching strategies, student welfare, and student assessment in the KLAs are critically examined.

EDGC814 Professional Skills A (Physical and Health Education)

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Strategies to promote the physical, social and emotional well-being of students will be explored. A range of contemporary issues affecting physical and health education will be discussed and analysed. Professional teaching standards for physical and health education teachers will be examined with a focus on professional competence, accomplishment and leadership. There will also be a focus on promoting physical activity through effective sports administration and carnival organisation.

EDGC821 Understanding Learning B

Autumn Wollongong On Campus
Autumn Bega On Campus
Autumn Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores the nature of the learner and the role of the teacher in planning programs which cater to the diversity of learners. It includes a focus on: The psychology of learners with an emphasis on their diverse needs and the issues related to catering for the special needs of learners, for example, giftedness. Issues of classroom management are explored through the lens of the diversity of learners and how they can be supported in their classroom environments.

EDGC822 Professional Skills B

Spring Bega On Campus
Spring Wollongong On Campus
Spring Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Emphasis is placed on the development of: Understanding of the dimensions of Quality Teaching (DET, 2003); raising awareness of the needs of ESL learners; investigation of the need for literacy strategies across the curriculum; focus on further development of information and communication technology skills; and the importance of physical activities in school contexts. Tertiary literacies are expressed through the completion of a professional digital portfolio encompassing assessment tasks drawn from all subjects.

EDGC823 Learning and Teaching Concepts B

Spring Bega On Campus
Spring Wollongong On Campus
Spring Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is a critical study of the influence of social, historical and theoretical contexts for teaching and learning as it applies to curriculum development. By critically examining the theoretical trends in sociology and changes in philosophical ideals, students make sense of current teaching and learning environments. Focus is on teacher reflection and assessment practices in these diverse contexts. Emphasis is placed on principles of leadership and teamwork as well as practical approaches to responding to changing needs of schools and students. This subject aims to deepen student understanding of time, place and identity in relation to educational change.

EDGC824 Professional Skills B (Physical and Health Education)

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers the skills required of teachers as professionals. Emphasis on the development of language and literacy skills,

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encompassing communication, listening, interviewing, library researching, reporting and personal use of information and communication technology. Focus on developing awareness of school culture and the wider community, developing skills in intercultural communication, class management and assessment of learners with special needs. Tertiary literacies are expressed through completion of a professional portfolio encompassing assessment tasks drawn from all subjects.

EDGC851 Science Method A

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-10 syllabuses in Science. Included will be the teaching and assessment methods applicable to the NSW Years 7 to 10 syllabuses in Science. There will be critical examination of mandatory policies that affect teachers of Science (including child protection and occupational health and safety). This subject also covers the classroom management practices for teachers of Science. There will be critical examination of syllabuses in Science from other states and countries.

EDGC852 Science Method B

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 11-12 syllabuses in Science. Included will be the teaching and assessment methods applicable to the NSW Higher School Certificate in Science. There will be critical examination of mandatory policies that affect teachers of senior high school Science (including child protection and occupational health and safety). This subject also covers the classroom management practices for teachers of senior high school Science. There will be critical examination of syllabuses in senior high school Science from other states and countries.

EDGC853 Mathematics Method A

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-10 syllabuses in Mathematics. Included will be the teaching and assessment methods applicable to the NSW Years 7 to 10 syllabuses in Mathematics. There will be critical examination of mandatory policies that affect teachers of Mathematics (including child protection and occupational health and safety). Programming and planning methods for teaching Mathematics. This subject also covers the classroom management practices for teachers of Mathematics. There will be critical examination of syllabuses in Mathematics from other states and countries.

EDGC854 Mathematics Method B

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 11-12 syllabuses in Mathematics. Included will be the teaching and assessment methods applicable to the NSW Higher School Certificate in Mathematics. There will be critical examination of mandatory policies that affect teachers of senior high school Mathematics (including child protection and occupational health and safety). Programming and planning methods for teaching senior high school mathematics. This subject also covers the classroom management practices for teachers of senior high school Mathematics. There will be critical examination of syllabuses in senior high school Mathematics from other states and countries.

EDGC855 English Method

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-12 syllabuses in English. Included will be the teaching and assessment methods applicable to the NSW syllabuses in English. There will be critical examination of mandatory policies that affect teachers of English (including child protection and occupational health and safety). Programming and planning methods for teaching English. This subject also covers the classroom management practices for teachers of English. There will be critical examination of syllabuses in English from other states and countries.

EDGC856 History Method

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-12 syllabuses in History. Included will be the teaching and assessment methods applicable to the NSW syllabuses in History. There will be critical examination of mandatory policies that affect teachers of History (including child protection and occupational health and safety). Programming and planning methods for teaching History. This subject also covers the classroom management practices for teachers of History. There will be critical examination of syllabuses in History from other states and countries.

EDGC857 Social Science Method A- (Geography)

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-12 syllabuses in Geography. Included will be the teaching and assessment methods applicable to the NSW syllabuses in Geography. There will be critical examination of mandatory policies that affect teachers of Geography (including child protection and occupational health and safety). Programming and planning methods for teaching Geography. This subject also covers the classroom management practices for teachers of Geography. There will be critical examination of syllabuses in Geography from other states and countries.

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EDGC858 Social Science Method B-(Commerce/Business Studies)

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-12 syllabuses in Economics. Included will be the teaching and assessment methods applicable to the NSW syllabuses in Economics. There will be critical examination of mandatory policies that affect teachers of Economics (including child protection and occupational health and safety). Programming and planning methods for teaching Economics. This subject also covers the classroom management practices for teachers of Economics. There will be critical examination of syllabuses in Economics from other states and countries.

EDGC859 English As A Second Language Method

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Included will be the teaching and assessment methods applicable to ESL students. There will be critical examination of mandatory policies that affect ESL teachers (including child protection and occupational health and safety). Programming and planning methods for teaching ESL. This subject also covers the classroom management practices for ESL teachers. There will be critical examination of policies from other states and countries that relate to ESL teaching.

EDGC860 Social Science Method C-(Legal Studies)

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-12 syllabuses in Legal Studies. Included will be the teaching and assessment methods applicable to the NSW syllabuses in Legal Studies. There will be critical examination of mandatory policies that affect teachers of Legal Studies (including child protection and occupational health and safety) and programming and planning methods for teaching Legal Studies. This subject also covers the classroom management practices for teachers of Legal Studies. There will be critical examination of syllabuses in Legal Studies from other states and countries.

EDGC861 Method for Primary Teachers A (K-2)

Annual Bega On Campus
Annual Wollongong On Campus
Annual Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Included will be the teaching and assessment methods applicable to Early Stage 1 / Stage 1 students (K-2). There will be critical examination of mandatory policies that affect Primary Stage 1 teachers (including child protection and occupational health and safety). Programming and planning methods for teaching Primary Stage 1. This subject also covers the classroom management practices for Primary Stage 1 teachers. There will be critical examination of curriculum and relevant policies from other states and countries that relate to the first three years of learning.

EDGC862 Method for Primary Teachers B (3-6)

Annual Bega On Campus
Annual Wollongong On Campus
Annual Shoalhaven On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Included will be the teaching and assessment methods applicable to Stage 2/Stage 3 (years 3-6). There will be critical examination of mandatory policies that affect Stage 2/Stage 3 (3-6) teachers (including child protection and occupational health and safety). Programming and planning methods for teaching Stage 2/Stage 3 (3-6). This subject also covers the classroom management practices for Primary (3-6) teachers. There will be critical examination of policies from other states and countries that relate to the next four years of learning.

EDGC871 Music Method A

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-10 syllabuses in Music. Included will be the teaching and assessment methods applicable to the NSW Years 7 to 10 syllabuses in Music. There will be critical examination of mandatory policies that affect teachers of Music (including child protection and occupational health and safety). Programming and planning methods for teaching Music. There will be critical examination of syllabuses in Music from other states and countries.

EDGC872 Music Method B

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 11-12 syllabuses in Music. Included will be the teaching and assessment methods applicable to the NSW Years 11 and 12 syllabuses in Music. There will be critical examination of mandatory policies that affect teachers of Music (including child protection and occupational health and safety). Programming and planning methods for teaching Music to Years 11 and 12. This subject also covers the classroom management practices for teachers of Music. There will be critical examination of Year 11 and 12 syllabuses in Music from other states and countries.

EDGC873 Visual Arts Method A

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None

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Subject Description: This subject will cover the content of the NSW Year 7-10 syllabuses in Visual Arts. Included will be the teaching and assessment methods applicable to the NSW Years 7 to 10 syllabuses in Visual Arts. There will be critical examination of mandatory policies that affect teachers of Visual Arts (including child protection and occupational health and safety). Programming and planning methods for teaching Visual Arts. This subject also covers the classroom management practices for teachers of Visual Arts. There will be critical examination of syllabuses in Art from other states and countries.

EDGC874 Visual Arts Method B

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 11-12 syllabuses in Visual Arts. Included will be the teaching and assessment methods applicable to the NSW Years 11 and 12 syllabuses in Visual Arts. There will be critical examination of mandatory policies that affect teachers of Visual Arts (including child protection and occupational health and safety). Programming and planning methods for teaching Art to Years 11 and 12. This subject also covers the classroom management practices for teachers of Visual Arts. There will be critical examination of Year 11 and 12 syllabuses in Visual Arts from other states and countries.

EDGC875 Drama Method

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-12 syllabuses in Drama. Included will be the teaching and assessment methods applicable to the NSW syllabuses in Drama. There will be critical examination of mandatory policies that affect teachers of Drama (including child protection and occupational health and safety). Programming and planning methods for teaching Drama. This subject also covers the classroom management practices for teachers of Drama. There will be critical examination of syllabuses in Drama from other states and countries.

EDGC876 French Method

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-12 syllabuses in French. Included will be the teaching and assessment methods applicable to the NSW syllabuses in French. There will be critical examination of mandatory policies that affect teachers of French (including child protection and occupational health and safety). Programming and planning methods for teaching French. This subject also covers the classroom management practices for teachers of French. There will be critical examination of syllabuses in French from other states and countries.

EDGC877 Italian Method

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-12 syllabuses in Italian. Included will be the teaching and assessment methods applicable to the NSW syllabuses in Italian. There will be critical examination of mandatory policies that affect teachers of Italian (including child protection and occupational health and safety). Programming and planning methods for teaching Italian. There will be critical examination of syllabuses in Italian from other states and countries.

EDGC878 Japanese Method

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-12 syllabuses in Japanese. Included will be the teaching and assessment methods applicable to the NSW syllabuses in Japanese. There will be critical examination of mandatory policies that affect teachers of Japanese (including child protection and occupational health and safety). Programming and planning methods for teaching Japanese. This subject also covers the classroom management practices for teachers of Japanese. There will be critical examination of syllabuses in Japanese from other states and countries.

EDGC881 Computer Studies Method A

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 7-10 syllabuses in Computer Studies. Included will be the teaching and assessment methods applicable to the NSW School Certificate in Computer Studies. There will be critical examination of mandatory policies that affect teachers of Computer Studies (including child protection and occupational health and safety). Programming and planning methods for teaching Computer Studies for Years 7-10. This subject also covers the classroom management practices for teachers of Computer Studies for Years 7-10. There will be critical examination of syllabuses for Years 7-10 Computer Studies from other states and countries.

EDGC882 Computer Studies Method B

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will cover the content of the NSW Year 11-12 syllabuses in Computer Studies. Included will be the teaching and assessment methods applicable to the NSW Higher School Certificate in Computer Studies. There will be critical examination of mandatory policies that affect teachers of senior high school Computer Studies (including child protection and occupational health and safety). Programming and planning methods for teaching senior high school Computer Studies. This subject also covers

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the classroom management practices for teachers of senior high school Computer Studies. There will be critical examination of syllabuses in senior high school Computer Studies from other states and countries.

EDGC883 Computer Studies Method

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The content of the NSW Year 7 - 12 syllabuses in Computer Studies. Teaching & assessment methods applicable to the NSW School Certificate and Higher School Certificate in Computer Studies. Critical examination of mandatory policies that affect teachers of Computer Studies. Programming and planning methods for teaching Computer Studies for Years 7 - 12. Critical examination of syllabuses for years 7 - 12 Computer Studies from other states and countries.

EDGC891 Physical and Health Education Method A

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The nature of physical and health education, contemporary curriculum models and programming and planning methods will be examined. The content focuses predominantly on the NSW Year 7-10 and equivalent syllabuses in Personal Development, Health and Physical Education and related support documents. The Physical Activity and Sports Studies program will also be explored. Classroom and outdoor management practices for teachers of PDHPE and how the diverse nature of learners impact on the planning and implementation of PDHPE are critically analysed. Students will be given the opportunity to apply their knowledge by participating in extended practicum sessions.

EDGC892 Physical and Health Education Method B

Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will investigate national and international comparisons in Physical and Health Education. The content focuses predominantly on the NSW Year 11-12 or equivalent syllabuses in Personal Development, Health and Physical Education and related support documents. Sport, Lifestyle and Recreation and Community and Family Studies syllabuses will also be explored. There will be a focus on programming and assessment with investigation into innovative teaching strategies.

EDGE900 Introduction to Technology in Education

Autumn Wollongong Flexible
Autumn Wollongong On Campus
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

Spring Wollongong Flexible
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

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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

Autumn Wollongong Flexible
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

Spring Wollongong Flexible
Autumn 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

Spring Wollongong Flexible
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

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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.

EDGH957 Multiliteracies and Numeracies in Ad Educ/VET/Higher Educ

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores issues relating to the dynamic notion of literacy and numeracy in the context of globalisation and information and computer technology. The concept of multiliteracies is a feature of the subject and contributes to developing an analysis of literacy and numeracy as multimodal and multidimensional social practices involving a broad dimension of communication in the workplace, community and other diverse settings. The subject explores the development of literacy and numeracy contextualised by work-based settings in the Adult Education, VET and the Higher Education sectors. The subject has four 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

Autumn Wollongong Flexible
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

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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

Autumn 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 2008
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

Spring Wollongong Flexible
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

EDGP901 Adolescent Health 1

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.

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EDGP902 Adolescent Health 2

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

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

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 Theory and Practice of Outdoor Education

Not on offer in 2008
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 2008
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

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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 2008
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 - Issues In Coach Education and Sport Management

Not on offer in 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None

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

Autumn Wollongong Flexible
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.

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EDGP991 Project for EDGP990

Autumn Wollongong Flexible
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 EDGP932 and not available separately. The 2 cp Project extends the opportunity to study the issues of EDGP990.

EDGR911 Teaching Reading

Autumn Wollongong Flexible
Spring 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

Autumn Wollongong Flexible
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.

EDGS910 Learning Theories and Exceptionality

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject has been replaced by EDGX901. This subject explores a range of learning theories and their application to children with special needs. Topics include: behaviourism; Piaget and critiques of his theory; socio-cultural accounts of learning; information processing perspectives including the development of metacognition and self-regulation; the relationships among language, learning and thought; and issues in the assessment of intelligence.

EDGS911 Project in Exceptional Education Practices

Not on offer in 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This subject builds on the theoretical perspectives gained from the subject, Learning Theories and Exceptionality. It provides the opportunity for students to explore more deeply a particular learning theory and its application to children with special needs. Students will select one theoretical perspective and then complete a project related to the practical application of that theory. The project may take the form of a case study, a curriculum plan or an evaluation study. Projects will be determined in consultation with the lecturer.

EDGS912 Contemporary Perspectives Education of Students with Diverse Needs

Spring Wollongong On Campus
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

Spring Wollongong On Campus
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 Moderate/Severe Needs

Spring Wollongong On Campus
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

Spring Wollongong On Campus
Credit Points: 2
Pre-requisites: None
Co-requisites: None

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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 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

Spring Wollongong Flexible
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
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

Autumn Wollongong Flexible
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

Spring Wollongong On Campus
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 On Campus
Autumn Wollongong Flexible
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

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

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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

Spring Wollongong On Campus
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 May Wollongong Distance
EDU Intake Aug Wollongong Distance
EDU Intake Nov Wollongong Distance
EDU Intake Feb Wollongong Distance
Autumn Wollongong On Campus
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 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None

EDGT922 The English Sound System

Not on offer in 2008
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 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides an introduction to knowledge and skills needed to teach listening. It aims to help students to develop a deeper understanding of listening as an interactive process and from this perspective to develop techniques and procedures for teaching effective listening strategies. The principles of designing various assessment listening tasks will be covered.

EDGT930 Methodology in Second Language Teaching

EDU Intake Feb Wollongong Distance
EDU Intake Aug Wollongong Distance
EDU Intake Nov Wollongong Distance
EDU Intake May Wollongong Distance
Autumn Wollongong On Campus
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 Nov Wollongong Distance
Autumn Wollongong On Campus
EDU Intake Feb Wollongong Distance
EDU Intake May Wollongong Distance
EDU Intake Aug 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

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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 May Wollongong Distance
EDU Intake Feb Wollongong Distance
EDU Intake Aug Wollongong Distance
EDU Intake Nov Wollongong Distance
Spring Wollongong On Campus
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

EDU Intake Nov Wollongong Distance
EDU Intake May Wollongong Distance
EDU Intake Aug Wollongong Distance
EDU Intake Feb Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: EDGT930 or EDUE319
Exclusions: EDGT920 or EDGT937 or EDGT938
Subject Description: This subject is inteded for students who want to get an extended experience in teaching and learning in different contexts. It provides a background to teaching ESL or EFL in primary, secondary or adult contexts. Students will undertake observations and teaching in one of these contexts. Students work closely with co-ordinating teachers who are expereinced and skilled in supervision. Students would carry out situation analyses, develop portfolios of work and evaluate aspects of the teaching and learning they observe. The focus of their evaluation would also involve anaylsis of current writing and reasearch in the area. Students studying in Australia are usually placed by the Practicum co-ordinator, although students may choose to do their prac in their preferred institution, if approved by the co-ordinator. Students may also opt to undertake a project involving classroom observation and associated tasks by negotiation with the subject co-ordinator.

EDGT934 Teaching Pronunciation and Prosody

EDU Intake Aug Wollongong Distance
EDU Intake Nov Wollongong Distance
EDU Intake May Wollongong Distance
EDU Intake Feb Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: EDGT922
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 May Wollongong Distance
EDU Intake Aug Wollongong Distance
EDU Intake Nov Wollongong Distance
EDU Intake Feb 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

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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 Practicum in TESOL

Autumn Wollongong Flexible
Spring Wollongong Flexible
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 (i.e. no less than 6 hours of assessed whole class teaching) for employment in language schools in certain contexts. 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 Aug Wollongong Distance
EDU Intake Nov Wollongong Distance
EDU Intake May Wollongong Distance
Spring Wollongong On Campus
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 Aug Wollongong Distance
EDU Intake Feb Wollongong Distance
EDU Intake Nov Wollongong Distance
EDU Intake May Wollongong Distance
Autumn Wollongong On Campus
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 Nov Wollongong Distance
EDU Intake Aug Wollongong Distance
EDU Intake Feb Wollongong Distance
EDU Intake May Wollongong Distance
Spring Wollongong On Campus
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
EDU Intake May Wollongong Distance
EDU Intake Nov Wollongong Distance
EDU Intake Aug Wollongong Distance
Autumn Wollongong On Campus
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 May Wollongong Distance
EDU Intake Feb Wollongong Distance
EDU Intake Nov Wollongong Distance
EDU Intake Aug Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide an overview of the recent developments in

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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 On Campus
Autumn Wollongong Flexible
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

Spring 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.

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.
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
EDU Intake Aug Wollongong Distance
EDU Intake May Wollongong Distance
EDU Intake Nov Wollongong Distance
Autumn Wollongong Flexible
Spring Wollongong Flexible
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
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.

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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

EDU Intake Feb Wollongong Distance
EDU Intake Nov Wollongong Distance
EDU Intake Aug Wollongong Distance
EDU Intake May Wollongong Distance
Autumn Wollongong Flexible
Spring Wollongong Flexible
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the nature of inquiry in Education and related areas. The subject will assist students in critically appraising reported research in academic contexts, 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 inquiries suited to the backgrounds and interests of students undertaking the subject.

EDGZ922 Conducting Research & Inquiry

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide students with the knowledge and skills to conduct research in the context of Education and related areas. It will examine the process of problem-setting and explore the underlying assumptions of a range of research designs and related methodologies and their practical applications as research technologies will be explored. Students will be introduced to data gathering techniques in the context of their particular backgrounds and research interests.

EDGZ924 Research Proposal

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: EDGZ922 or equivalent
Subject Description: Students will complete a draft introduction, literature review and an outline of their research design for their proposed thesis topic. Opportunity will be given for peer and lecturer critique through draft writing, seminars and web-based discussion. All students will be encouraged to design and trial key data gathering and analysis methodologies that they envisage will be central to their thesis inquiry.

EDGZ925 Advanced Seminar

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: EDGA900 or EDGZ900 or equivalent
Co-requisites: None
Exclusions: EDGA925
Subject Description: The Advanced Seminar will allow students to evaluate and extend knowledge in a specific area of education. Students will be required to undertake a critical reading program in this area and extend their work by applying their understanding in a school or community based project which integrates the theory and application. Regular seminars will be presented detailing issues, understandings, progress and final outcome.

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.

EDGZ951 Poststructuralist / Postmodernist Research

Autumn Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: EDGZ922 or equivalent
Subject Description: This module will examine the potentials of postmodern and poststucturalist research in the context of educational research. It will assist students in exploring the theoretical resources on which such research draws and provide opportunities to discuss issues, clarify concepts and apply understandings to research problems.

EDGZ952 Interviews As Research Method

Spring Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: EDGZ922 or equivalent
Subject Description: This module will examine the ways in which interviews with one or more people can be used as a research tool to understand the way in which people construct meanings about themselves, their world and other people in it. The subject will examine the ethical and pragmatic issues associated with all stages of the process: that is in choosing participants, designing questions, conducting interviews, and interpreting them and representing these interpretations in research writing.

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EDGZ953 Correlation Research

Not on offer in 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This module will assist students in developing skills in the answering of questions about data which are essentially correlational in nature. Questions suggesting correlational analysis are typically phrased as 'Is there a relationship between self esteem and performance?' or 'Can we predict (model) performance based on gender, self esteem and school type?'. The primary techniques used for such analysis and covered in this module include correlation, regression, multiple regression and multi-level modelling. Students will be introduced to the process of fitting models including interaction terms, checking assumptions, selecting between models, interpretation of output and writing up results for publication.

EDGZ954 Evaluation Research

Not on offer in 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This module will examine the range of approaches in the broad area of evaluation research. The overview will examine what can be evaluated and the forms of evaluation available to undertaking evaluation activities in their own professional life, programs, in organisation they work or are contracted to investigate. The activities in the unit will include readings from the text, discussions on the web and a small hands-on project. The project could be located in a community, professional setting or related to your own professional practice.

EDGZ955 Developing Grounded Theory In Qualitative Research

Spring Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This module will explore what the research literature claims 'grounded theory' development is and the methodology used in order to develop it. It will examine the relationship between grounded theory development, reviewing of the literature in the field of study and the qualitative research methods used in the data collection and analysis. Finally it will examine when and why one might use grounded theory methodology.

EDGZ956 Research Methods In Language Education

Autumn Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This module will familiarise students with a range of research methodologies employed in the field of language education (in particular, TESOL and literacy studies). Students will be provided with a collection of readings dealing with research agendas for language education, current issues, the role of theory, and approaches to data collection and analysis (case study, observation, experiments, introspection, action research, statistical analysis, and so on). Students will also critically examine journal articles reporting on the results of different types of studies.

EDGZ957 Feminist Research

Autumn Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This module is designed to provide students with an introduction to feminism and feminist scholarship. A variety of readings that focus on issues associated with feminist theory, research and methodology are provided as a basis for discussion and written assessment. The challenge for students is to develop an informed perspective in this area so that they can construct their own frameworks for defining the nature of feminist research.

EDGZ958 Discourse Analysis

Autumn Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This module will introduce discourse analysis and its application in educational research. The module will consider the range of approaches to discourse analysis and examine the influence of contemporary philosophical perspectives on interpretations of discourse. Students will be encouraged to apply their understandings of these perspectives to the conceptualisation of their research problem and the application of discourse analysis.

EDGZ959 Questionnaire Construction

Autumn Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This module will examine the ways in which the questionnaire can be used as a research tool to understand the way in which people construct meanings about themselves, their world and other people in it. The subject will examine the ethical and pragmatic issues associated with all stages of the process: that is, in choosing participants, designing questions, administering the questionnaire, setting up the data for analysis and representing the analysis in research writing.

EDGZ960 Case Study Research

Autumn Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: This module will examine the rationale for selecting a case study approach to research, the various purposes for which a case study is appropriate, and the basic types of case studies. The latter includes, but is not limited to, historical case studies, ethnographic case studies, oral histories, and clinical cases. Multiple case study approach will also be considered. Finally, the module will explore the design of case studies and the associated data collection and analysis tools.

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EDGZ965 Vygotskian Studies in Education

EDU Intake Nov		Wollongong	Distance
EDU Intake Aug		Wollongong	Distance
EDU Intake May		Wollongong	Distance
Autumn	Wollongong	Flexible	
Spring	Wollongong	Flexible	
EDU Intake Feb		Wollongong	Distance

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.

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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 Rolling Stock Engineering

Master of Welding Engineering *

Master of Medical Radiation Physics

Graduate Diploma in Engineering

Graduate Diploma in Materials Welding and Joining *

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

* Not on offer for new students in 2008

For tuition fee information please see the following:

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

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

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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 per year
Entry Requirements:	Bachelor degree in a relevant discipline with Honours Class II, Division 2 or higher.
Delivery Mode:	On campus
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

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- 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

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- 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

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- 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

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- 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:	1303
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 six credit point subject ENGG951 Engineering Project Management plus 18 credit points of elective subjects chosen from the relevant Master of Engineering program.

Advanced standing 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.

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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:	1304
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. Advanced standing 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
PHYS947	Special Topics in Physics A	6
PHYS948	Physics of Imaging	6
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

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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

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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

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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.

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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 (single major); 72 (double major)
Entry Requirements:	A 4 year Bachelor of Engineering degree
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	590 (single major); 590A (double major)
CRICOS Code:	020204M (single major); 053563D (double major)

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; or, for students wishing to have a specialisation recorded on their degree, 24 credit points of approved elective subjects from one of the engineering streams listed below.

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Students can apply to undertake the Master of Engineering Practice in two streams. Students would complete the core program and two 24 credit point programs of elective subjects. This is a 72 credit point program and would normally take 1.5 to 2 years to complete. Both specialisations would be recorded on the testamur.

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	Engineering Computing	6
ENGG954	Strategic Management for Engineers and Technologists	6
Elective Subjects – Asset Management		
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
Engineering Management		
Core subjects as above plus		
ENGG956	Financial Management of Engineered Assets	6
ENGG971	Special Topic in Engineering Management	6
plus two subjects from the list below		
ENGG937	Special Topic in Engineering Management	6
ENGG960	Maintenance Requirements Analysis	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG957	Project Implementation and Outsourcing	6
TBS 908	Supply Chain Management **	6
TBS 950	Quality Management **	6
TBS 903	Managing People in Organisations **	6
MGMT978	Cross Cultural Management **	6
TBS 904	Marketing Management (or MGMT922)	7
MGMT922	Marketing Management (or TBS 904)	6
MGMT940	Innovation and Entrepreneurship **	6
MGMT963	Management of Occupational Health and Safety **	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

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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
MATL901	Special Topic in Materials 1	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		
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MATL901	Special Topic in Materials 1	6
MATL902	Special Topic B	6
MATL903	Recent Developments in Materials	6
MATL905	Metallic Materials	6
MATL906	Ceramic Materials	6
MATL907	Polymeric Materials	6
MATL952	Performance of Materials B	6
MATL972	Selection and Design of Materials	6
Elective Subjects ñ Mechanical Engineering		
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
MECH948	Sustainable Energy Technologies	6
MECH949	Advanced Computer Control of Machines and Processes	6
MECH950	Advanced Robotics	6
MECH979	Sustainable Transport and Engine Technology	6
Elective Subjects ñ Mechatronics		
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
MATL901	Special Topic in Materials 1	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
Elective Subjects ñ 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

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MINE906	Mining Engineering Techniques	6

Elective Subjects ñ Resource Management *

MINE916	Mineral Valuation, Risk Analysis	6
MINE917	Mineral Economics	6
MINE918	Commodity Analysis	6
MINE919	Natural Resource Policy	6

Elective Subjects ñ Steel Processing and Products *

ENGG931	Steel Products and their Production	6
ENGG932	Rolling Technology	6
ENGG933	Coating Technology	6
ENGG934	Steelmaking	6
ENGG935	Casting	6

Note: Not all subjects available in any one year – refer Subject Listing.

* Only available on a part-time basis.

** 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
ENGG952	Engineering Computing	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

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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 to articulate 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:	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.

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

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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
TBS903	Managing People in Organisations	6
Or		
ENGG940	Dissertation	12

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 of Engineering degree or other qualifications together with at least 4 years experience in a senior management position will be considered
Delivery Mode:	Self-directed learning
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1160

Overview

The Master of Rolling Stock Engineering follows on from the Graduate Certificate in Rolling Stock Engineering. This course will provide formal education and training for new graduate engineers and other engineering staff who wish to advance their career in rolling stock engineering.

This is a 48 credit point program and is conducted in two parts. Completion of Part 1 is prerequisite for commencement of Part 2.

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)	12
	equivalent to two subjects	

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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

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 from a recognised tertiary institution
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. It may provide entry to the Masters by Research program for students who do not have the necessary entry qualifications, particularly if studying this discipline for the first time.

Students enrol in one of the following 48 credit point subjects according to their discipline area:

Civil Engineering	CIVL899	Advanced Topics in Engineering
Environmental Engineering	ENVE899	Advanced Topics in Engineering
Materials Engineering	MATL899	Advanced Topics in Engineering

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Mechanical Engineering	MECH899	Advanced Topics in Engineering
Mining Engineering	MINE899	Advanced Topics in Engineering

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:

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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.

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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

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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

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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 2008
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

Autumn 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 2008
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 2008
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

Autumn 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 2008
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 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Variational principles; element shape functions, 'displacement' and 'stress' formulations, curved and isoparametric elements;

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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 2008
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

Autumn Wollongong On Campus
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

Spring Wollongong On Campus
Autumn 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 School.

ENGG901 Introduction to Welding and Joining Processes

Not on offer in 2008
Credit Points: 3
Pre-requisites: None
Co-requisites: None
Subject Description: Classification of welding processes, applications; typical problems, health and safety issues. Introduction to fusion and pressure welding processes; adhesive bonding, soldering and brazing; joining process physics. Review of basic electrics and electronics; arc characteristics and control. Introduction to behaviour of metals during welding, mechanical testing and NDT. Basic joint design and testing. Quality assurance of joining techniques. Introduction to reclamation repair by welding, advanced welding technology and fracture mechanics.

ENGG902 Fusion Welding Processes Part 1

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG901
Co-requisites: None
Subject Description: Introduction to gas shielded welding; process principles of GTAW welding; shielding gases; effect of gases on arc characteristics; filler metals; standards; typical problems; health and safety issues. Tungsten inert gas (TIG) welding; power sources; process factors; joint design; specifications; applications and typical problems; health and safety factors. Plasma, electron beam, laser welding and cutting. Advanced TIG welding.

ENGG903 Other Joining Processes

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG901, ENGG902
Co-requisites: None
Subject Description: Cold pressure, ultrasonic and explosive welding and diffusion bonding; stud welding and mechanical fasteners; resistance welding, weld-bonding, ERW and flash butt welding; oxy-fuel welding; cutting and other edge preparation

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processes; friction welding and friction stir welding; MIAB welding; brazing; soldering; and pre-heating, fuel gas, electric equipment and techniques.

ENGG904 Fusion Welding Processes Part 2

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG901, ENGG902
Co-requisites: None
Subject Description: Gas metal arc welding (GMAW); metal inert gas (MIG) welding; metal active gas (MAG) welding; power sources; process factors; special techniques; joint design; specifications; applications; typical problems; health and safety issues. Metal transfer. Manual metal arc (MMA) welding; (SMAW,MMAW); power sources; process factors; electrode coatings; joint design; specifications; applications and typical problems; health and safety factors. Submerged arc welding (SAW); power sources; process factors; joint design; specifications; applications; typical problems; health and safety issues. Advanced GMAW, FCAW. Electroslag welding; process factors; applications and limitations.

ENGG905 Behaviour of Metals During Welding - Part 1

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG901
Co-requisites: None
Subject Description: Structures and properties of metals; alloys and phase diagrams; iron-carbon alloys; heat-treatment of steels; microstructures of welded joints; embrittlement and cracking in steels. Structural steels; fine grained steels; thermomechanically processed steels.

ENGG906 Behaviour of Metals During Welding - Part 2

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG905
Co-requisites: None
Subject Description: High temperature creep resistant steels; high alloy stainless steels; cryogenic steels; low temperature steels; stainless steels; H/R steels; creep resistant steels; nickel-based alloys; other metals and alloys; welding of ferrous and non-ferrous castings; introduction to corrosion and wear; welding of castings.

ENGG907 Welding of Non Ferrous Metals and Non Metals

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG906
Co-requisites: None
Subject Description: Copper and copper-based alloys; aluminium and aluminium-based alloys; joining dissimilar alloys; structures and properties of non-metallic materials and composites; joining of polymers; joining of polymers to metals; joining of ceramics; ceramic-metal joints; methods used for joining of composites and composites to other materials.

ENGG908 Construction and Design - Part 1

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG907
Co-requisites: None
Subject Description: Fundamentals of the strength of materials; basics of weld design; design principles of welded structures; joint design; fracture mechanics.

ENGG909 Construction and Design - Part 2

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG908
Co-requisites: None
Subject Description: Behaviour of welded structures under load; design of welded structures for static loading; effects of dynamic loading; thermodynamically loaded welded structures; reinforced steel welded joints; design of welded aluminium alloy structures.

ENGG910 Fabrication/Applications Engineering - Part 1

Not on offer in 2008
Credit Points: 3
Pre-requisites: 901,902,903,904,905,906,907,908,909
Co-requisites: None
Subject Description: Cutting and other edge preparation processes. Quality assurance in welded structures; quality control during manufacture; total quality management. Plant facilities; welding jigs and fixtures. Fume and radiation hazards from welding; health and safety issues.

ENGG911 Fabrication/Applications Engineering - Part2

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG910
Co-requisites: None
Subject Description: Welding stresses and distortion; control of welding restraint; stress relieving of weldments. Repair welding; fitness for purpose considerations; economic aspects of weld fabrication; economic considerations of high productivity welding; automatic and robotic welding.

ENGG914 Fabrication/Applications Engineering - Part 3

Not on offer in 2008
Credit Points: 3
Pre-requisites: ENGG905, ENGG906, ENGG907
Co-requisites: None
Subject Description: Practical exercises in weld defect testing using ultrasonics and radiography. Metallographic examination of commercially important metals and alloys, and the microstructures of steel and aluminium weldments. Measurement control and recording.

ENGG915 Design of Structures

CRC Intake Jan Wollongong Flexible
Credit Points: 3
Pre-requisites: ENGG908, ENGG909
Co-requisites: None
Subject Description: Design case studies.

ENGG916 Fabrication Case Studies

CRC Intake Jan Wollongong Flexible
Credit Points: 3
Pre-requisites: ENGG910, ENGG911, ENGG914
Co-requisites: None

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Subject Description: NDT, practical, welding procedures, tutorials.

ENGG917 Processes, Equipment, Automation

CRC Intake Jan Wollongong Flexible
Credit Points: 3
Pre-requisites: ENGG901, ENGG902, ENGG903, ENGG904
Co-requisites: None
Subject Description: Mechanisation and robotics, case studies and tutorials.

ENGG918 Weldability and Wear

CRC Intake Jan Wollongong Flexible
Credit Points: 3
Pre-requisites: ENGG905, ENGG906, ENGG907
Co-requisites: None
Subject Description: Wear, hardfacing, metallography, surfacing, mechanical testing.

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 2008
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

Autumn Wollongong Distance
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: ENGG924, ENGG925, ENGG926 and ENGG927
Co-requisites: None
Subject Description: Introduce students to the application of engineering principles and techniques to

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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

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: ENGG924, ENGG925, ENGG926 and ENGG927
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

Autumn Wollongong On Campus
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 2008
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

Not on offer in 2008
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
Spring2008/Autumn2009 Wollongong On Campus
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

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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.

ENGG945 Dissertation

Annual Wollongong On Campus
Spring2008/Autumn2009 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.

ENGG950 Innovation and Design

Spring 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

Autumn Wollongong On Campus
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

Autumn 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

Autumn Wollongong On Campus
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

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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

Autumn 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: computer aided analysis and design; computer methods; environmental hydraulics; pollution control; erosion and land rehabilitation; waste management; environmental impact assessment; environmental modelling processes; environmental geotechnology; transport and the environment; 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.

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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.

ENVE924 Solid and Hazardous Waste Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Two areas are covered: Generation, characterisation, collection and minimisation of solid waste; and classification, treatment and final disposal of hazardous waste.

ENVE925 Water Quality Engineering and Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The main aim is to introduce concepts relating to water resources and global water problems, water quality characteristics, water quality processes and guidelines, water quality management, water supply and sanitation, natural treatment processes, various municipal water and wastewater treatment processes and wastewater reuse and recycling that will lead to sustainable development. The lecture components will be supplemented with relevant tutorials and weekly assignments. A number of laboratory classes will give students hands on exposure to determination.

ENVE926 Air and Noise Pollution Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers the occurrence and consequence of air and noise pollution to modern society. The subject commences with an overview of the problem, identifies sources of pollution, deals with methods to measure and analyse the extent of the pollution, and concludes with methods to control the pollution.

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: This design subject will focus on several group design projects in urban storm water management in terms of quality and quantity, river water quality and onsite waste management systems. In urban drainage design, you will use rational design and DRAINS model. In stormwater quality, pollutant build up - washoff relationships will be developed, the river water quality using QUALIIE model and design of onsite systems using Australian standards.

ENVE929 Site Contamination and Remediation Technologies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The course describes the chemistry of soils, interactions of pollutants with soils and organic matter and their fate in the environment. Saturation of soils with contaminants through various sources has led to groundwater contamination. Characterisation of such sites, monitoring parameters, decision making and regulation will be included in this subject. The remediation of such contaminated soils and groundwater will be described with selected technologies, options of site containment, which is currently the most common technique will also be covered. The course will give an overview of the options and tools to assess and select the appropriate technology. This will also involve the revision of chemical parameters and students without the expected pre requisites are required to revise chemical principles independently.

ENVE930 Coastal, River and Groundwater Engineering

Autumn 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.

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ENVE931 Membrane Processes and Applications

Spring Wollongong On Campus
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.

GHMB927 An Introduction to Human Anatomy and Physiology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to give the student an understanding of the structure and functioning of the human body. As this is a course designed for non-medical health professionals the major emphasis is on physiology rather than anatomy. All the organ systems of the human body are studied and appropriate links are made with both pathophysiology and human development. The laboratory sessions form an integral part of the course, expanding on and complementing the lectures. They allow time for more in-depth study of structure and illustrate functioning through a series of carefully designed experimental procedures.

MATL899 Advanced Topics in Materials Engineering

Annual Wollongong On Campus
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.

MATL901 Special Topic in Materials 1

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: There are no set syllabi for these subjects. It is intended that they will be offered on a specialised materials engineering topic.

MATL902 Special Topic B

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: There are no set syllabi for these subjects. It is intended that they will be offered on a specialised materials engineering topic by members of the School, or visitors to the School.

MATL903 Recent Developments in Materials

Not on offer in 2008
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. Metal-matrix composites.

MATL906 Ceramic Materials

Spring Wollongong On Campus
Credit Points: 6

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Pre-requisites: None
Co-requisites: None
Subject Description: Ceramics - traditional and advanced. Microstructure-property relationships. Processing, solid state and liquid phase sintering. Applications. Ceramic matrix composites.

MATL907 Polymeric Materials

Autumn 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.

MATL908 Phase Transformations

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Analysis and theories of solid state phase transformations, nucleation phenomena, diffusional and diffusionless growth; application to precipitation, eutectoid, proeutectoid, martensitic and other processes.

MATL911 Mechanical Behaviour of Materials

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Behaviour of ceramics, metals and polymers under stress, stress-strain relationships, time and temperature dependent phenomena.

MATL932 Surface Engineering of Materials

Not on offer in 2008
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.

MATL936 Chemical Reaction Engineering

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH188

MATL937 Process Metallurgy

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Ironmaking. Sintering and pelletising; time-temperature effects; phase composition; strength-reducibility relationships; mix selection; cokemaking; fundamental relations; coke strength and reactivity; blast furnace process; Rist and Reichert diagrams; burden design and distribution; stack, bosh and hearth processes; DRI.

MATL952 Performance of Materials B

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. Constraints imposed by environmental, manufacturing and economic considerations. Use of computers and data banks. Case studies.

MATL988 Metallurgical Processing 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: MATH202 and MATH203
Co-requisites: None

MATL999 Advanced Topics in Materials

Not on offer in 2008
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.

MECH903 Biomechanical Engineering

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces a selection of advanced quantitative methods used in biomechanical assessment of human movements. Topics include three-dimensional dynamics, modelling techniques (including finite element, simulation and optimisation).

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.

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MECH918 Sustainable Energy in Buildings

Autumn 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 Numerical Methods in Mechanical Engineering

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject consists of two main areas: a. Computational fluid dynamics which includes a selection of computer techniques applied to aerodynamics and hydrodynamics; and b. A study of industrial fluid mechanics which includes a selection of the following topics; principles of turbo machinery; pipe networks; control and suppression of pressure surges in pipelines; causes and avoidance of flow induced vibration in engineering systems.

MECH925 Advanced Fluid Power

Not on offer in 2008
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.

MECH926 Applied Fluid Mechanics

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A study of applied fluid mechanics which will include the analysis, design and control of a selection of fluid flow systems in industry.

MECH927 Physical Processing of Bulk Solids

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Bulk solids description and characterisation; crushing, grinding, thickening, separation, precipitation, filtration, blending, tabletting, briquetting and agglomeration, sizing and classification; introduction to beneficiation; drying; intermediate processing and handling; control and instrumentation; dust generation and abatement.

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.

MECH930 Mechanical Vibration and Condition Monitoring

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Balancing of machinery. Vibrations, Energy Method and Rayleigh Principle. Two degrees of freedom system, free vibration, transient response, steady state response, damping. Multimass system, free vibration, forced vibration, damping. Vibration of beams. Torsional vibration in rotating machinery. Conditions monitoring of machinery: vibration measurement and analysis.

MECH931 Friction Lubrication and Wear

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Navier-Stokes and Energy equation of viscous fluid flow and their application to hydrodynamic journal and thrust bearings. Characteristics of hydrodynamic and hydrostatic bearings. Bearings selection and design. Rolling bearings and Elasto-hydrodynamic lubrication. Friction and wear processes. Boundary lubrication. Properties of lubricants and bearing materials and their interaction. Application in industry.

MECH933 Solar Energy

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Principles and techniques applicable to the analysis and design of solar thermal energy systems. Solar radiation; transmission and absorption by collectors; analysis and design of collectors; energy storage; system thermal calculations; solar process economics.

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MECH934 Advanced Manufacturing Processes

Spring 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

Not on offer in 2008
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

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: There is no set syllabus for this subject. It is intended 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

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: An overview of manipulation systems, comparison of macro-micro-nano worlds, micro/nano mechanics, actuation, sensing, design, manufacturing/fabrication, control and calibration issues in micro/nano robotic systems, examples of micro/nano robotic systems and their application areas.

MECH948 Sustainable Energy Technologies

Autumn 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.

MECH949 Advanced Computer Control of Machines and Processes

Spring Wollongong On Campus
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

Autumn 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.

MECH982 Bulk Solids Characterisation and Particulate Mechanics

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Concepts of particle mechanics (failure criteria, models to represent such criteria as particle size and distributions, particle shape. compressibility, permeability, internal friction, cohesion, adhesion, wall friction); concepts of flow properties of bulk solids for equipment design; flow property measurement techniques; use of computer software to analyse and present experimental data for use in design.

MECH983 Bulk Solids Handling (Storage and Flow)

Not on offer in 2008
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

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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 2008
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 2008
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.

MECH986 Instrumentation and Control Systems For Bulk Solids

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Transducer types and their specification and applications; dynamic response of systems; speed measurement and control; mass flow rate measurement; belt weighing; weigh belt feeders; continuous and batch weighing systems; bin weighing systems and structural implications; system accuracy; interfacing with PLC's and computers; case studies.

MECH987 Advanced Topics in Bulk Solids and Particulate Technologies 1

Not on offer in 2008
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 topic relating to some aspect of modern technologies relating to bulk solids and/or particulate technologies by staff members/visiting specialists and/or engineering practitioners.

MECH988 Advanced Topics in Bulk Solids and Particulate Technologies 2

Not on offer in 2008
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 topic relating to some aspect of modern technologies relating to bulk solids and/or particulate technologies by staff members/visiting specialists and/or engineering practitioners.

MECH989 Advanced Topics in Bulk Solids and Particulate Technologies 3

Not on offer in 2008
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 topic relating to some aspect of modern technologies relating to bulk solids and/or particulate technologies by staff members/visiting specialists and/or engineering practitioners.

MECH990 Bulk Solids and Particulate Technologies Project

Not on offer in 2008
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: Prepare a thesis on an approved topic related to bulk solids and/or particulate technologies. Normally the thesis will cover work performed in the workplace and additional supervision by an industry representative.

MECH993 Maintenance Management of Bulk Handling Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Maintenance function principles and objectives; reliability and maintainability; maintenance planning; maintenance strategy for plant – a systems approach; maintenance and information support; failure analysis; maintenance organisation; maintenance control and documentation; human resource management; total production maintenance; auditing industrial maintenance systems.

MECH994 Mechanical Handling Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Loss factor of transport; economic analysis of conveying and transportation systems; aspects of particulate mechanics in relation to mechanical handling systems; design concepts and performance criteria of mechanical conveying and feeding equipment employed in process plants. Performance analysis and evaluation of mechanical loading and unloading systems such as used in ship transport.

MECH995 Bulk Solids Handling (Systems and Design)

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Bin wall loads for symmetric and eccentric discharge; analysis of dynamic effects,

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the 'silo quaking' problem; wall roughness, friction and wear; feeder design principles; performance analysis of a range of feeders for bulk solids; flow promotion; blending and mixing; flor of fine powders; transfer chutes; vibration of bulk solids.

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

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

Autumn 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 and powered support design.

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 2008
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

Not on offer in 2008
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 2008
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

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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.

PHYS947 Special Topics in Physics A

Autumn 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 Academic Adviser.

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.

PHYS951 Medical Physics Research Project

Spring2008/Autumn2009 Wollongong On Campus
Annual 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

Spring2008/Autumn2009 Wollongong On Campus
Annual 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, eduge 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

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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.

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Graduate School of Business

Courses Offered

Doctor of Philosophy
Doctor of Business Administration
Master of Business Administration
Master of Business Administration (Advanced)
Master of Business Coaching
Master of Health Leadership and Management
Master of International Business
Master of Management
Master of Project Management
Master of Retail Management
Master of Science (Logistics)
Graduate Diploma in Business Administration
Graduate Certificate in Business Administration
Graduate Certificate in Business Coaching
Graduate Certificate in Business
Graduate Certificate in International Business
Graduate Certificate in Logistics
Graduate Certificate in Management
Graduate Certificate in Project Management
Graduate Certificate in Retail Management

Double Degrees

Master of International Business - Master of Project Management
Master of International Business - Master of Retail Management
Master of International Business - Master of Science (Logistics)
Master of Science (Logistics) - Master of Project Management

For tuition fee information please see the following:

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

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Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Graduate School of Business
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Supervised individual research
Location:	Wollongong Campus, Sydney Business School
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 that includes a research project, 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 (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:

- 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

Other Information

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

Doctor of Business Administration

Testamur Title of Degree:	Doctor of Business Administration
Abbreviation:	DBA
Home Faculty:	Graduate School of Business
Duration:	3 years full-time or part-time equivalent *
Total Credit Points:	144
Starting Session(s):	Autumn at Wollongong Campus
	Intake A at Sydney Business School
Delivery Mode:	Face-to-face
Location:	Wollongong, Sydney Business School
UOW Course Code:	207
CRICOS Code:	047174A

*offered part-time only in Wollongong

Overview

The Doctor of Business Administration (DBA) is an advanced postgraduate research degree that focuses on professional business practice, providing practicing managers with research skills that can be applied to issues of organisational leadership. The course supports the School's research philosophy - to undertake innovative research of industrial or

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government relevance and significance. The DBA 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 program provides students with the opportunity to undertake an independent research project by completing a thesis. The course is designed to build on the existing strengths of the participants and provide a formal educational opportunity for them to demonstrate managerial capacities and gain a competitive advantage in business.

Entry Requirements

Students will have a minimum of a very 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 Graduate School of Business website.

International applicants must also meet the University's English Language requirements as set out at http://www.uow.edu.au/prospective/international/

Course Requirements

Candidates are required to complete six (6) 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	48

Master of Business Administration

Testamur Title of Degree:	Master of Business Administration
Abbreviation:	MBA
Home Faculty:	Graduate School of Business
Duration:	1.5 to 2 years full-time or part-time equivalent
Total Credit Points:	72
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
Delivery Mode:	Face-to-face
Location:	Wollongong, Sydney Business School, Dubai
UOW Course Code:	547, SC547, DB547
CRICOS Code:	013031G

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/prospective/international for details.

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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 Graduate School of Business or other 900 level subjects as approved by the Graduate Studies Advisor.

Course Program

Compulsory Subjects		Credit Points
TBS901	Accounting for Managers	6
TBS903	Managing People in Organisations	6
TBS904	Marketing Management	6
TBS905	Economic Analysis of Business	6
TBS906	Information Systems for Managers	6
TBS907	Financial Strategy#	6
TBS909	Corporate Governance	6
TBS920	International Business Strategy*	6
TBS921	Strategic Decision Making*	6

TBS901 is a pre-requisite for TBS907.

* These capstone subjects should ideally be undertaken only after all compulsory subjects have been completed.

Two elective subjects that are strongly recommended to students because they provide vital management skills are:

1. TBS902 Statistics for Decision Making (required for those students who have not previously studied statistics, as this subject develops necessary skills to complete other core MBA subjects); and

2. TBS908 Supply Chain Management (provides an overview of overall product/ service development, outlining the dependency upon both internal and external suppliers)

Students may also apply to complete an individual research project as a 6 or 12 credit point elective subject. The project topic is to be approved by the Graduate Studies Advisor.

Note: Students undertaking the program through the Sydney Business School will have a restricted number of elective subjects available.

Advanced Standing/Credit

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 Master of Business Administration.

Master of Business Administration graduates may apply to enrol in one of the Graduate School's eight subject Masters degrees. Candidates may apply for advanced standing 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 Graduate School's eight subject Masters degrees, and meet the MBA entry requirements, may apply to enrol in the MBA program. 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.

Candidates who have successfully completed a selected range of Masters programs from the Faculties of Commerce, Health and Behavioural Sciences, Informatics, Engineering, and Education, and who satisfy entry requirements for the MBA, may apply to enrol in the MBA program with advanced standing.

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.

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Master of Business Administration (Advanced)

Testamur Title of Degree:	Master of Business Administration (Advanced)
Abbreviation:	MBA (Adv)
Home Faculty:	Graduate School of Business
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
Location:	Wollongong, Sydney Business School
Delivery Mode:	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 GSB's Graduate Studies Advisor and the relevant Faculty's Course Convenor.

Graduate School of Business

- 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

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– Information and Communication Technology

** General Management, International Business and Logistics are the only specialisations offered at Sydney Business School. 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:	Graduate School of Business
Duration:	18 months – 2 years part time only
Total Credit Points:	48
Starting Session(s):	Intake A Sydney Business School
Delivery Mode:	Face-to-face
Location:	Sydney Business School
UOW Course Code:	S1578
CRICOS Code:	

Overview

The Master of Business Coaching has been designed to appeal to a broad range of people interested in business coaching: 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 http://www.uow.edu.au/prospective/international/

Course Requirements

Candidates are required to complete Six (6) core subjects plus two (2) electives, totalling 48 credit points.

Course Program

Core Subjects		Credit Points
TBS963	Introduction to Business Coaching	6
TBS964	Applied Coaching Practice	6
TBS965	Leadership and People Management	6
TBS966	Business Coaching Strategy and Planning	6
TBS967	Innovation, Improvement and Change Management	6
TBS968	Master of 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.

Advanced Standing/Credit

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. Candidates who meet the Master of Business Administration entry requirements may apply to enrol in the Master of Business Administration program, and will be required to complete a further six specified subjects as determined by the Graduate Studies Advisor.

Other Information

All applicants will be required to attend an interview conducted by the Graduate School of Business.

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Master of Health Leadership and Management

Testamur Title of Degree:	Master of Health Leadership and Management
Abbreviation:	MHlthLeadMgmt
Home Faculty:	Faculty of Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn, Spring, Summer at Wollongong campus
Delivery Mode:	Face-to-face
Location:	Wollongong
UOW Course Code:	1567
CRICOS Code:	026342G

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.

Advanced Standing

Candidates must successfully complete a total of eight subjects, totalling 48 credit points; no advanced standing will be granted for subjects completed in the first graduate certificate degree. Students who successfully complete one of the Graduate Certificate programs listed in the course structure with an average mark of at least 60 per cent, may apply to progress to the MHLM with credit for previous studies.

Course Requirements

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. Candidates will then 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 Management

Graduate Certificate in Nutrition Management

Graduate School of Business

Graduate Certificate in Business Administration

Graduate Certificate in Logistics

Graduate Certificate in Management

Faculty of Informatics

Graduate Certificate in Health Informatics

Graduate Certificate in Information and Communication Technology

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Course structures for individual Graduate Certificate degrees can be found in the relevant Faculty's Handbook.

Master of International Business

Testamur Title of Degree:	Master of International Business
Abbreviation:	MIB
Home Faculty:	Graduate School of Business
Duration:	12 months full-time or part-time equivalent
Total Credit Points:	48 cps
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
Delivery Mode:	Face-to-face
Location:	Wollongong, Sydney Business School, Dubai
UOW Course Code:	597, SC597, DB597
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 ever more 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/prospective/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
TBS908	Supply Chain Management	6
TBS935	Project Management	6
TBS980	International Financial Management	6
TBS981	Managing in Multi-National Companies	6
TBS982	Marketing in a Global Economy	6
TBS983	International Business Economic Environment	6
TBS984	International Business*	6
TBS986	Contemporary Cross-Cultural Issues in Business^	6

* This capstone subject is to be undertaken after a minimum of three (3) 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 TBS986 Culture in Business.

Advanced Standing/Credit

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 Master of Business Administration entry requirements may apply to enrol in the Master of Business Administration program, and will be required to complete a further six specified subjects as determined by the Graduate Studies Advisor.

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Master of Management

Testamur Title of Degree:	Master of Management
Abbreviation:	MMgmt
Home Faculty:	Graduate School of Business
Duration:	1 year full-time* or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face at Wollongong, Sydney Business School and Loftus Campus Video-conferenced to Bega, Batemans Bay, Moss Vale and Shoalhaven
Starting Session(s):	Autumn, Spring at Wollongong Campus Intakes A, B, C, D at campuses other than Wollongong
Location:	Wollongong, Sydney Business School, Loftus, Shoalhaven, Moss Vale, Bega, Batemans Bay
UOW Course Code:	553, SC553, LO553, SH553, MV553, BE553, BB553
CRICOS Code:	048588D

* this program is only offered full-time at Wollongong campus and Sydney Business School.

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 of the GSB 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 in a relevant discipline from a recognised institution with an average mark of at least 60%.

International applicants must also meet the University's English Language requirements (refer to the University's website at www.uow.edu.au/prospective/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.

Advanced Standing/Credit

Upon successful completion of the Master of 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 will be required to complete a further six specified subjects as determined by the Graduate Studies Advisor.

Master of Project Management

Testamur Title of Degree:	Master of Project Management
Abbreviation:	MProjMgmt
Home Faculty:	Graduate School of Business
Duration:	12 months full-time or part-time equivalent
Total Credit Points:	48 cps
Starting Session(s):	Autumn, Spring at Wollongong Campus Intake A, B, C, D at Sydney Business School
Delivery Mode:	Face-to-face
Location:	Wollongong, Sydney Business School, Dubai
UOW Course Code:	1577, S1577, DB577
CRICOS Code:	

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

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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 in a relevant discipline 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 http://www.uow.edu.au/prospective/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

Topic to be negotiated with the Graduate Studies Advisor to meet individual students' development needs and work environment.

Advanced Standing/Credit

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 will be required to complete a further six specified subjects as determined by the Graduate Studies Advisor.

Master of Retail Management

Testamur Title of Degree:	Master of Retail Management
Abbreviation:	MRetMgmt
Home Faculty:	Graduate School of Business
Duration:	12 months full-time or part-time equivalent
Total Credit Points:	48 cps
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
Delivery Mode:	Face-to-face
Location:	Wollongong, Sydney Business School, Dubai
UOW Course Code:	1574, S1574, D1574
CRICOS Code:	

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 in a relevant discipline 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 http://www.uow.edu.au/prospective/international/.

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Course Requirements

Candidates are required to complete a eight (8) core subjects totalling 48 credit points.

Course Program

Core Subjects		Credit Points
TBS901	Accounting for Managers	6
TBS903	Managing People in Organisations	6
TBS904	Marketing Management	6
TBS906	Information Systems for Managers	6
TBS908	Supply Chain Management	6
TBS922*	Management Project	6
TBS945	Retail Management	6
TBS946	Retail Marketing	6

* Topic to be negotiated with the Graduate Studies Advisor to meet individual students' development needs and work environment.

Advanced Standing/Credit

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 Master of Business Administration entry requirements may apply to enrol in the Master of Business Administration program, and will be required to complete a further six specified subjects as determined by the Graduate Studies Advisor.

Master of Science (Logistics)

Testamur Title of Degree:	Master of Science (Logistics)
Abbreviation:	MSc (Log)
Home Faculty:	Graduate School of Business
Duration:	12 months full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
Location:	Wollongong, Sydney Business School
UOW Course Code:	574, SC574
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.

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/prospective/international/ for details).

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**

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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

Advanced Standing/Credit

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. Graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and will be required to complete a further six specified subjects as determined by the Graduate Studies Advisor.

Graduate Diploma in Business Administration

Testamur Title of Degree:	Graduate Diploma in Business Administration
Abbreviation:	GDipBA
Home Faculty:	Graduate School of Business
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Location:	Wollongong, Sydney Business School
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
Delivery Mode:	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/prospective/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.

Advanced Standing/Credit

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.

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Graduate Certificate in Business Administration

Testamur Title of Degree:	Graduate Certificate in Business Administration
Abbreviation:	GCertBA
Home Faculty:	Graduate School of Business
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Wollongong, Sydney Business School
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
UOW Course Code:	1126, S1126
CRICOS Code:	029139J

Overview

The Graduate Certificate in Business Administration is available for students who wish to complete an introductory study of the 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/prospective/international/ 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.

Advanced Standing/Credit

Upon completion of the Graduate Certificate in Business Administration students may apply to progress to the Graduate Diploma in Business Administration 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 Graduate School of Business 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 Graduate School of Business.

Graduate Certificate in Business Coaching

Testamur Title of Degree:	Graduate Certificate in Business Coaching
Abbreviation:	GCertBusCoach
Home Faculty:	Graduate School of Business
Duration:	12 months part-time
Total Credit Points:	24 cps
Location:	Sydney Business School
Delivery Mode:	Face-to-face
Starting Session(s):	Intake A Sydney Business School
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.

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International applicants must also meet the University's English Language requirements as set out at http://www.uow.edu.au/prospective/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 Course Co-ordinator after considering the student's existing knowledge, skills and career goals.

Advanced Standing/Credit

Upon successful completion of the Graduate Certificate in Business Coaching, students may apply to progress 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 the Graduate School of Business.

Graduate Certificate in Business

Testamur Title of Degree:	Graduate Certificate in Business
Abbreviation:	GCertBus
Home Faculty:	Graduate School of Business
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Wollongong, Sydney Business School
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
UOW Course Code:	1138
CRICOS Code:	061244G

Overview

The Graduate Certificate in Business is a pathway program leading to entry to a number of Master degrees offered by the Graduate School of Business. It can be packaged with an offer of admission to the following Graduate School of Business 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:

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.

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 http://www.uow.edu.au/prospective/international/

Course Requirements

Candidates are required to complete four (4) 900 level subjects (24 credit points) as approved by the Graduate Studies Advisor.

Advanced Standing/Credit

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.

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Students will not be eligible for advanced standing for subjects completed under the Graduate Certificate pathway program towards their subsequent Masters degree.

Graduate Certificate in International Business

Testamur Title of Degree:	Graduate Certificate in International Business
Abbreviation:	GCertIB
Home Faculty:	Graduate School of Business
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24 cps
Location:	Wollongong, Sydney Business School
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
UOW Course Code:	1141, S1141
CRICOS Code:	0470056

Overview

The Graduate Certificate in International Business provides candidates with the opportunity to complete an introductory study of 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 http://www.uow.edu.au/prospective/international/

Course Requirements

Candidates are required to complete four (4) subjects (24 credit points) selected from the Master of International Business course structure as approved by the Graduate Studies Advisor.

Advanced Standing/Credit

Upon completion of the Graduate Certificate in International Business, students may apply to progress to the Master of International Business degree with credit for previous subjects completed within the Graduate Certificate. 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:	Graduate School of Business
Duration:	6 months full-time or part-time equivalent
Minimum Total Credit Points:	24
Location:	Wollongong, Sydney Business School
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intake A, B, C, D at Sydney Business School
UOW Course Code:	1142, S1142
CRICOS Code:	042560J

Overview

The Graduate Certificate in Logistics provides candidates the opportunity to complete an introductory study of 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.

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

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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/prospective/international/ for details).

Course Requirements

Candidates are required to complete four (4) subjects (24 credit points) selected from the seven (7) core Master of Science (MSc) (Logistics) subjects listed below:

Course Program

Subjects		Credit Points
TBS908	Supply Chain Management	6
TBS912	Quantitative Methods for Decision Making	6
TBS918	Strategic Supply Chain Management	6
TBS928	Logistics Systems	6
TBS930	Operations Management	6
TBS933	Procurement and Inventory Management	6
TBS950	Quality in Management	6

Advanced Standing/Credit

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:	Graduate School of Business
Duration:	6 months full-time* or part-time equivalent
Total Credit Points:	24
Location:	Wollongong, Loftus, Shoalhaven, Moss Vale, Bega, Batemans Bay
Delivery Mode:	Face-to-face at Wollongong and Loftus Campus Video-conferenced to Bega, Batemans Bay, Moss Vale and Shoalhaven
Starting Session(s):	Autumn, Spring at Wollongong Campus
	Intakes A, B, C, D at campuses other than Wollongong
UOW Course Code:	692, LO692, SH692, MV692, BE692, BB692
CRICOS Code:	020195G

* The program is offered full-time at Wollongong campus only.

Overview

The Graduate Certificate in Management is designed to provide a meaningful introductory study to the concepts of management and management practice.

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 http://www.uow.edu.au/prospective/international/

Course Requirements

Candidates are required to complete four (4) subjects (24 credit points) determined in consultation with the Graduate Studies Advisor.

Advanced Standing/Credit

Upon completion of the Graduate Certificate in Management students may apply to progress to the Master of Management with credit for subjects completed in the Graduate Certificate.

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Graduate Certificate in Project Management

Testamur Title of Degree:	Graduate Certificate in Project Management
Abbreviation:	GCertProjMgmt
Home Faculty:	Graduate School of Business
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24 cps
Location:	Wollongong, Sydney Business School, Dubai
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn, Spring at Wollongong Campus Intake A, B, C, D at Sydney Business School
UOW Course Code:	1168, S1168, DB168
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 a core project management subject 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 professional qualification (minimum 2 years full-time study) with at least two years relevant professional work experience.

International applicants must also meet the University's English Language requirements as set out at http://www.uow.edu.au/prospective/international/

Course Requirements

Candidates will complete two (2) 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**
TBS935	Project Management	6
TBS936	Advanced Project Management	6
Elective Subjects		
TBS901	Accounting for Managers	6
TBS903	Managing People in Organisations	6
TBS906	Information Systems for Managers	6
TBS908	Supply Chain Management	6
TBS950	Quality in Management	6

Advanced Standing/Credit

Upon successful completion of the Graduate Certificate in Project Management, students may apply to progress to the Master of Project Management with credit for subjects completed in the Graduate Certificate.

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Graduate Certificate in Retail Management

Testamur Title of Degree:	Graduate Certificate in Retail Management
Abbreviation:	GCertRetMgmt
Home Faculty:	Graduate School of Business
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Location:	Wollongong, Sydney Business School, Dubai
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn, Spring at Wollongong Campus Intake A, B, C, D at Sydney Business School
UOW Course Code:	1167, S1167, D1574
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 professional qualification (minimum 2 years full-time study) with at least two years relevant professional work experience.

International applicants must also meet the University's English Language requirements as set out at http://www.uow.edu.au/prospective/international/

Course Requirements

Candidates are required to complete two (2) core subjects with two (2) 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**
TBS945	Retail Management	6
TBS946	Retail Marketing	6
Elective Subjects		
TBS901	Accounting for Managers	6
TBS903	Managing People in Organisations	6
TBS904	Marketing Management	6
TBS906	Information Systems for Managers	6
TBS908	Supply Chain Management	6
TBS922*	Management Project	6

* Topic to be negotiated with the Graduate Studies Advisor to meet individual students' development needs and work environment.

Advanced Standing/Credit

Upon successful completion of the Graduate Certificate in Retail Management, students may apply to progress to the Master of Retail Management with credit for subjects completed in the Graduate Certificate.

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Master of International Business-Master of Project Management

Testamur Title of Degree:	Master of International Business-Master of Project Management
Abbreviation:	MIB-MProjMgmt
Home Faculty:	Graduate School of Business
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	84 cps
Starting Session(s):	Autumn, Spring at Wollongong campus
	Intake A, B, C, D at Sydney Business School
Delivery Mode:	Face-to-face
Location:	Wollongong, Sydney Business School
UOW Course Code:	1580
CRICOS Code:	061864B

Overview

The Master of International Business examines issues impacting on the Asia-Pacific region through the application of sound and workable business strategies. While completing the Master of Project Management students will learn comprehensive project management skills and strategies for dealing with a broad range of issues encountered within business organisations.

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/discover/international/

Course Requirements

Candidates are required to complete 14 core subjects totalling 84 credit points. Students are required to complete the Master of International Business subjects before commencing the Master of Project Management subjects.

Course Program

Master of International Business Subjects		**Credit Points**
TBS908	Supply Chain Management	6
TBS935	Project Management	6
TBS980	International Financial Management	6
TBS981	Managing in Multi-National Companies	6
TBS982	Marketing in a Global Economy	6
TBS983	International Business Economic Environment	6
TBS984	International Business*	6
TBS986	Contemporary Cross-Cultural Issues in Business	6
Master of Project Management Subjects		**Credit Points**
TBS901	Accounting for Managers	6
TBS903	Managing People in Organisations	6
TBS906	Information Systems for Managers	6
TBS922	Management Project	6
TBS936	Advanced Project Management	6
TBS950	Quality in Management	6

* This capstone subject can be undertaken after a minimum of three (3) core subjects have been successfully completed.

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Master of International Business-Master of Retail Management

Testamur Title of Degree:	Master of International Business-Master of Retail Management
Abbreviation:	MIB-MRetMgmt
Home Faculty:	Graduate School of Business
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	84 cps
Starting Session(s):	Autumn, Spring at Wollongong campus
	Intake A, B, C, D at Sydney Business School
Delivery Mode:	Face-to-face
Location:	Wollongong, Sydney Business School, Dubai
UOW Course Code:	1581
CRICOS Code:	061865A

Overview

The Master of International Business examines issues impacting on the Asia-Pacific region through the application of sound and workable business strategies. In addition, while completing the Master of Retail Management students will learn 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 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/discover/international/

Course Requirements

Candidates are required to complete 14 core subjects totalling 84 credit points. Students are required to complete the Master of International Business subjects before commencing the Master of Retail Management subjects.

Course Program

Master of International Business Subjects		**Credit Points**
TBS908	Supply Chain Management	6
TBS935	Project Management	6
TBS980	International Financial Management	6
TBS981	Managing in Multi-National Companies	6
TBS982	Marketing in a Global Economy	6
TBS983	International Business Economic Environment	6
TBS984	International Business*	6
TBS986	Contemporary Cross-Cultural Issues in Business	6
Master of Retail Management Subjects		**Credit Points**
TBS901	Accounting for Managers	6
TBS903	Managing People in Organisations	6
TBS904	Marketing Management	6
TBS922	Management Project	6
TBS945	Retail Management	6
TBS946	Retail Marketing	6

* This capstone subject can be undertaken after a minimum of three (3) core subjects have been successfully completed.

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Master of International Business-Master of Science (Logistics)

Testamur Title of Degree:	Master of International Business-Master of Science (Logistics)
Abbreviation:	MIB-MSc (Log)
Home Faculty:	Graduate School of Business
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	84 cps
Starting Session(s):	Autumn, Spring at Wollongong campus
	Intake A, B, C, D at Sydney Business School
Delivery Mode:	Face-to-face
Location:	Wollongong, Sydney Business School
UOW Course Code:	1579
CRICOS Code:	061867K

Overview

The Master of International Business examines issues impacting on the Asia-Pacific region through the application of sound and workable business strategies. The Master of Science (Logistics) course is designed to provide people 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.

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/discover/international/

Course Requirements

Candidates are required to complete 14 core subjects totalling 84 credit points. Students are required to complete the MIB subjects before commencing the MSc (Log) subjects.

Course Program

MIB Subjects		**Credit Points**
TBS908	Supply Chain Management	6
TBS935	Project Management	6
TBS980	International Financial Management	6
TBS981	Managing in Multi-National Companies	6
TBS982	Marketing in a Global Economy	6
TBS983	International Business Economic Environment	6
TBS984*	International Business*	6
TBS986	Contemporary Cross-Cultural Issues in Business	6
MSc (Log) Subjects		**Credit Points**
TBS912	Quantitative Methods for Decision Making	6
TBS918	Strategic Supply Chain Management	6
TBS928	Logistics Systems	6
TBS930	Operations Management	6
TBS933	Procurement and Inventory Management	6
TBS950	Quality in Management	6

* This capstone subject can be undertaken after a minimum of three (3) core subjects have been successfully completed.

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Master of Science (Logistics)-Master of Project Management

Testamur Title of Degree:	Master of Science (Logistics)-Master of Project Management
Abbreviation:	MSc(Log)-MProjMgmt
Home Faculty:	Graduate School of Business
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	84 cps
Starting Session(s):	Autumn, Spring at Wollongong campus
	Intake A, B, C, D at Sydney Business School
Delivery Mode:	Face-to-face
Location:	Wollongong, Sydney Business School
UOW Course Code:	1582
CRICOS Code:	061866M

Overview

The Master of Science (Logistics) is designed to provide people 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. While completing the Master of Project Management students will learn comprehensive project management skills and strategies for dealing with a broad range of issues encountered within business organisations.

Entry Requirements

Applicants must have a relevant Bachelor degree from a recognised institution, typically in Commerce, Engineering, Mathematics or Information Technology, with an average mark of at least 60%.

International applicants must also meet the University's English Language requirements. Refer to the University's website at www.uow.edu.au/discover/international/

Course Requirements

Candidates are required to complete 14 core subjects totalling 84 credit points. Students are required to complete the Master of Science (Logistics) subjects before commencing the Master of Project Management subjects.

Course Program

Master of Science (Logistics) Subjects		**Credit Points**
TBS908	Supply Chain Management	6
TBS912	Quantitative Methods for Decision Making	6
TBS918	Strategic Supply Chain Management	6
TBS928	Logistics Systems	6
TBS930	Operations Management	6
TBS933	Procurement and Inventory Management	6
TBS935	Project Management	6
TBS950	Quality in Management	6
Master of Project Management Subjects		**Credit Points**
TBS901	Accounting for Managers	6
TBS903	Managing People in Organisations	6
TBS922	Management Project	6
TBS936	Advanced Project Management	6

Plus 2 x 900 level 6cp subjects approved by the Graduate Studies Advisor

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SUBJECT DESCRIPTIONS

BFC 901 Accounting

Not on offer in 2008
Credit Points: 3
Pre-requisites: None
Co-requisites: None
Subject Description: At the end of the course students will be able to make effective use of accounting data within their own organization. As a practical course it is hoped that students will develop their analytical skills necessary to diagnose complex business problems in an accounting context. The main focus of the course is on the use of accounting information and to take students through the accounting cycle and the preparation of financial statements. The world of accounting is dynamic and hence the course will combine the study of traditional concepts and techniques with that of the most recent advances in accounting.

BFC 902 Financial Management

Not on offer in 2008
Credit Points: 3
Pre-requisites: None
Co-requisites: None
Subject Description: At the end of the course students will be able to make effective use of applied knowledge in finance. In particular the course seeks to examine corporate decisions in the context of maximising shareholder value. The course will explore the practical realities of interest rates, the time value of money, valuing bonds and stocks, investment criteria and risk.

BFC 903 Marketing Management

Not on offer in 2008
Credit Points: 3
Pre-requisites: None
Co-requisites: None
Subject Description: This course is designed to introduce students to the basic foundations of the Marketing subject. It examines the contemporary view of marketing and its importance in a rapidly changing business environment, increasing competition and helps give them a perspective of the challenges globalization will bring. It focuses on the following areas: importance of marketing; marketing basics, implication of customer perceived value, the identification of market opportunities through segmentation and target marketing, need analysis and the creation of marketing mix strategy.

BFC 904 Statistics for Decision Making

Not on offer in 2008
Credit Points: 3
Pre-requisites: None
Co-requisites: None
Subject Description: This course will provide students with an introduction to the fundamental concepts and methods of statistics. Statistics are a part of a manager's everyday life and it is important that even students, who will not be attempting any significant quantitative analysis in their work, are aware of the basics and are able to apply these concepts in other disciplines. By the end of the course, students should be able to appreciate the role of statistical methods in business and develop skills in presenting quantitative data using appropriate displays, tabulations and summaries and apply these concepts to real data.

BFC 905 Operations Management

Not on offer in 2008
Credit Points: 3
Pre-requisites: None
Co-requisites: None
Subject Description: TBA

TBS 901 Accounting for Managers

Intake B	Loftus	Modular
Intake B	Shoalhaven	Modular
Intake C	Sydney	Modular
Intake B	Batemans Bay	Modular
Autumn	Wollongong	On Campus
Intake B	Bega	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 C	Sydney	Modular
Spring	Wollongong	On Campus
Intake A	Shoalhaven	Modular
Autumn	Wollongong	On Campus
Intake A	Batemans Bay	Modular
Intake A	Sydney	Modular
Intake A	Loftus	Modular
Intake A	Bega	Modular

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.

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TBS 903 Managing People in Organisations

Intake A	Sydney	Modular
Spring	Wollongong	On Campus
Intake C	Loftus	Modular
Intake C	Bega	Modular
Intake C	Batemans Bay	Modular
Autumn	Wollongong	On Campus
Intake C	Shoalhaven	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
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

Intake A	Sydney	Modular
Intake C	Sydney	Modular
Autumn	Wollongong	On Campus

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 D	Sydney	Modular
Intake D	Loftus	Modular
Intake D	Bega	Modular
Intake D	Batemans Bay	Modular
Autumn	Wollongong	On Campus
Intake D	Shoalhaven	Modular
Intake B	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to introduce to 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 is that 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

Spring	Wollongong	On Campus
Intake D	Sydney	Modular
Intake B	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

Spring	Wollongong	On Campus
Intake A	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
Intake C	Sydney	Modular
Spring	Wollongong	On Campus
Autumn	Wollongong	On Campus

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

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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 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

Intake B Sydney Modular
Intake D Sydney Modular
Autumn Wollongong On Campus
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 B Loftus Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The 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 2008
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 International Supply Chain Management

Not on offer in 2008
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 Knowledge Management: The Asia Pacific Perspective

Not on offer in 2008
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 2008
Credit Points: 6

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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

Spring Wollongong On Campus
Intake B Sydney Modular
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 920 International Business Strategy

Intake C Sydney Modular
Autumn Wollongong 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 today's exciting international business context.

TBS 921 Strategic Decision Making

Spring Wollongong On Campus
Intake D Sydney Modular
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

Spring Wollongong On Campus
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 Management

Intake C Loftus Modular
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: TBS 923 Contemporary Issues in Management provides a broad view of currently topical issues in management 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

Not on offer in 2008
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 2008
Credit Points: 6

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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 926 Manufacturing Management

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Manufacturing industry dynamics and manufacturing strategy, value adding in manufacturing, materials flow, manufacturing planning and control including MRP II, ERP, JIT and OPT. Maintenance management, supply procurement, distribution quality control, assurance and improvement, manufacturing information technology, performance management, concept of lean and agile manufacturing. Students are expected to undertake a substantial mini-project that is usually case-based, preferably on an aspect of the student's work experience.

TBS 927 Process and Change Management

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This course 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	Wollongong	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 929 Management of Process Innovation

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A key concern of contemporary technology management is improving the rate and quality of process innovation by adopting new methods to successfully integrate environmental, human, organisational and technological factors. This subject introduces the student to the interdependent human and technological character of work systems and provides principles and methodologies for designing more effective organisations. This subject is focused on the 'design' aspects of process innovation and covers in some detail socio-technical system design.

TBS 930 Operations Management

Intake B	Sydney	Modular
Intake D	Sydney	Modular
Autumn	Wollongong	On Campus

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 931 Manufacturing and Operations Strategy

Not on offer in 2008
Credit Points: 6
Pre-requisites: TBS908, TBS928
Co-requisites: None
Subject Description: This course combines manufacturing and operations strategies in matching the characteristics of the operations function with the requirements of the manufacturing in order to fulfill the needs of the customer. A proper appreciation of this process requires not merely an understanding of the ideas and methods used to develop an operations strategy but also knowledge of the techniques and principles involved in its implementation.

TBS 932 Service Operations Management

Not on offer in 2008
Credit Points: 6
Pre-requisites: TBS908
Co-requisites: None
Subject Description: The purpose of this subject is to provide the student with an understanding of the basic

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issues, concepts, methods, tools and some quantitative models in Service Operations Management (SOM). The subject is designed for students with no previous study in Service Operations Management but aims to develop an understanding and level of skill commensurate with postgraduate study, though at an introductory level rather than that required by a professional service operations manager. Subject Aims 1) To develop an appreciation of the significance of SOM to the success or failure of a business. 2) To be aware of and to understand some of the key activities involved in SOM. 3) To develop an insight into some of the many different tools and techniques used by Service Operations Management.

TBS 933 Procurement and Inventory Management

Autumn	Wollongong	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 2008
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 D	Loftus	Modular
Autumn	Wollongong	On Campus
Intake A	Sydney	Modular
Spring	Wollongong	On Campus
Intake D	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: TBS936
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

Spring	Wollongong	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

Autumn	Wollongong	On Campus
Intake A	Sydney	Modular
Intake C	Sydney	Modular

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

Intake D	Sydney	Modular
Autumn	Wollongong	On Campus

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

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retail business; merchandise management and pricing; communicating with suppliers and customers and; integrating and controlling the retail strategy.

TBS 946 Retail Marketing

Spring	Wollongong	On Campus
Intake B	Sydney	Modular

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	Loftus	Modular
Spring	Wollongong	On Campus
Intake B	Sydney	Modular
Intake A	Sydney	Modular
Intake A	Shoalhaven	Modular
Autumn	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 2008
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 2008
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. TBS 952 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 2008
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 954 Quality Management and Design

Not on offer in 2008
Credit Points: 6
Pre-requisites: TBS950
Co-requisites: None
Subject Description: This course emphasises the application of organisation level improvement techniques in the effective management of Learning Organisations in a post industrial rapid change economy. Issues covered emphasise Organisational Performance Measurement (OPM) and improvement, and develop intellectual frameworks for:- the contribution of good design to the effective management of quality systems in organisations; the establishment of new styles of competitive advantage through quality systems in Learning Organisations; using OPM to improve specific quality environments and the development of case studies for good organisational design; coverage of methodologies for designing and integrating quality into organisational systems, and a futures perspective

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on the likely successful features of quality organisations in non ferrous manufacturing environments such as transgenics, nanotechnologies, molecular manufacturing.

TBS 955 Quality Assurance

Not on offer in 2008
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	Wollongong	On Campus
Intake B	Sydney	Modular
Intake D	Sydney	Modular
Spring	Wollongong	On Campus

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	Wollongong	On Campus
Spring	Wollongong	On Campus
Intake B	Sydney	Modular
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

Spring	Wollongong	On Campus
Intake C	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 oral 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 you best learn a language and will be encouraged to use website resources and authentic materials (listening to tapes, radio, programmes, reading papers and brochures).

TBS 962 Business Chinese Language and Culture

Not on offer in 2008
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

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.

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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

Not on offer in 2008
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

Not on offer in 2008
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 970 Management Project Planning

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

TBS 971 Quality Management Project

Not on offer in 2008
Credit Points: 6
Pre-requisites: TBS970
Co-requisites: None

TBS 972 Current Issues in Business

Not on offer in 2008
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

Not on offer in 2008
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: TBS973 Business Development 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

Not on offer in 2008
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

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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 980 International Financial Management

Autumn	Wollongong	On Campus
Intake D	Sydney	Modular
Spring	Wollongong	On Campus
Intake B	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

Autumn	Wollongong	On Campus
Intake C	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: TBS 981 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

Spring	Wollongong	On Campus
Intake A	Sydney	Modular

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 Economic Environment

Spring	Wollongong	On Campus
Intake B	Sydney	Modular

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

Spring	Wollongong	On Campus
Autumn	Wollongong	On Campus
Intake D	Sydney	Modular
Intake B	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	Wollongong	On Campus
Spring	Wollongong	On Campus
Intake C	Sydney	Modular

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

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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 986 Contemporary Cross-Cultural Issues in Business

Autumn	Wollongong	On Campus
Intake C	Sydney	Modular
Intake A	Sydney	Modular

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MGMT978
Subject Description: This subject is theory and case based and will explore the impact of cultures on business practices, particularly in the context of the increasing pressure of globalisation. Topics include culture in business, culture and religion, communication, management practices, and implications for global business including HRM and negotiations. On successful completion of the subject students will have an understanding of how international businesses can be effectively managed and business failures related to cultural issues minimised. Students will be able to understand the cultural dynamics within global businesses.

TBS 990 Special Topic in Business

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Topic to be approved by the Dean of the Graduate School of Business.

TBS 995 Business Research - Principles and Processes

Not on offer in 2008
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will enable students to develop various business-related research skills with an emphasis on integrative approaches, although discipline based research approaches will also be canvassed. Students will develop the skills of critical analysis of business theory both on the basis of its own assumptions and structure and by exploration of the related research literature. Students also investigate the skills of lateral thinking as they relate to business practice and innovation allowing them to demonstrate a high level of information gathering skills.

TBS 996 Research Foundations 2: Research Methodology

Spring	Wollongong	On Campus
Intake A & B	Sydney	Modular

Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: In 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

Intake A & B	Sydney	Modular
Autumn	Wollongong	On Campus

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 998 Proposal and Defence

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: TBS995, TBS 996, TBS 997
Co-requisites: None
Subject Description: This subject is designed for the Doctor of Business Administration (DBA) program. It will give students who have completed the first three subjects in the DBA the opportunity to build on the skills developed there, and to develop, defend and receive feedback on the research proposal which will form the basis of their DBA dissertation. The outcomes of the subject can be expected to form part of the eventual dissertation.

TBS 999 Research Proposal

Intake C & D	Sydney	Modular

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.

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Faculty of Health and Behavioural Sciences

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 Science

- Exercise Rehabilitation
- Nutrition
- Nutrition and Dietetics
- Nutrition/Dietetics and Exercise Rehabilitation
- Occupational Health and Safety
- Population Health

Master of Health Management

Master of Public Health

Graduate Diploma in Science

- Biomedical Science
- Exercise Rehabilitation

Graduate Certificate in Occupational Health and Safety

Graduate Certificate in Public Health

Graduate Certificate in Health Management

Graduate Certificate in HIV/AIDS

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

- Gerontology and Rehabilitation Studies
- Development Disability
- Midwifery

Graduate Diploma in Indigenous Health

Graduate Diploma in Science (Developmental Disability)

Graduate Certificate in Developmental Disability

Graduate Certificate in Gerontology and Rehabilitation Studies)

Graduate Certificate in Health Leadership and Management

Graduate Certificate in Health Research

Graduate Certificate in Indigenous Health

Graduate Certificate in Mental Health Nursing

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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

Smart Foods Centre

Master of Nutrition Management
Master of Science (Nutrition Management)
Graduate Certificate in Nutrition Management

For tuition fee information please see the following:

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

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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:	020191M (Laboratory)/ 012104D (Non-Laboratory)

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

Schools research activities are in the areas of:

Health Sciences

- Anatomy
- Applied Cardiovascular Physiology
- Biomechanics
- Cardiovascular Pathophysiology
- Environmental Health
- Exercise Physiology
- Exercise Rehabilitation
- Functional Anatomy
- Health and Society: Social Theory and Public Health
- Health Behaviour Change
- Health Information Systems
- Health Policy
- Health Program Development and Evaluation
- Health Promotion
- Health Services Management
- Human Thermoregulation and Performance
- Metabolic and Lipid Chemistry
- Molecular Neuroscience
- Motor Control and Dysfunction
- Nutrition and Dietetics
- Occupational Health and Safety
- Public Health Nutrition and Food Regulation

Nursing

- Continuity of care
- Consumer partnerships/collaboration
- Evidence-Based Practice
- Mental Health Nursing
- Nursing workforce and staff mentorship

Psychology

- Psychophysiology
- Short-term Memory
- Visual Perception

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- Cognition Development
- Cognitive Neuroscience relating to Cognition (particularly memory, vision and development)
- Mental Health and Emotional Well-being

Smart Foods Key Centre

- Nutrient Sources
- Key Nutrients
- Bioavailability
- Consumer Insights

Centre for Health Initiatives

- Media & Health
- Social Marketing
- Individual Behaviour Change
- Leadership
- Health Professional Education
- Aged & Dementia Care
- International Health

Entry Requirements / Assumed Knowledge

Candidates must have an Honours Bachelor degree of at least four years duration, and have achieved Honours Class II Division 2 or higher, or completed a Master 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 level of 6.0 in reading, writing, speaking and listening. Requirements are higher in some programs.

Course Requirements

Study at the Doctoral level, usually for a minimum of 3 years full-time, is by advanced research thesis. Potential candidates should discuss their research plan with the Postgraduate Research Coordinator of the School/Department, at which time the supervision arrangements of the School/Department 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.

Course Program

Subject		Session	Credit Points
THES924	for full-time students	Annual	48
THES912	for part-time students		24

Doctor of Philosophy (Clinical Psychology)

Testamur Title of Degree:	Doctor of Philosophy (Clinical Psychology)
Abbreviation:	PhD (Clin/Psyc)
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Normally Autumn session
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, provides students with a comprehensive understanding of the principles governing psychological assessment and therapy, and clinical skills required to assess and treat clients with a wide variety of clinical conditions in both child and adult populations. Candidates also undertake in-depth research in order to make an original contribution to the body of knowledge in clinical psychology. The research comprises more than two thirds of the degree.

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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 is particularly suitable for students with PhD Scholarships. Applicants must submit two referees' reports, a personal statement, a research proposal and attend a selection interview.

International students are required to have achieved an IELTS score of 6.5 overall, with at least 6.0 in all bands, reading and writing, speaking and listening.

Course Requirements

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases at the end of this chapter.

Course Program

Subjects		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	Annual	16
THES924	Thesis full-time students	Annual	48
THES912	Thesis part-time students		24

Professional Recognition

This program is accredited by the NSW Psychologists Registration Board for registration as a psychologist, by the Australian Psychological Society at 5 and 6 year level, and by the APS College of Clinical Psychologists.

Doctor of Public Health

Testamur Title of Degree:	Doctor of Public Health
Abbreviation:	DPubHlth
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years or part-time equivalent
Total Credit Points:	48 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 schools 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 two 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 level of 6.0 in reading, writing, speaking and listening.

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Course Requirements

The Doctor of Public Health usually takes three years of full-time study. It includes a coursework component and a research component. There will be no advanced standing granted for previous graduate study at Masters level. The coursework involves a maximum of one year of full-time study (48 credit points) in both required and elective courses. The research component of the program involves at least two 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 mark 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 four core subjects listed below. Some applicants may be advised to undertake specialised programs in preparation for their research.

Course Program

Subjects (by year)		Session	Credit Points
GHMD905	Social Foundations of Public Health	Autumn	6
GHMD983	Statistics in Health Research	Spring	6
GHMD904	Epidemiology	Spring	6
GHMD984	Health Research Methodology	Spring	6
THES924	Thesis for full-time students	Annual	48
THES912	Thesis for part-time students		24

Full-time students are required to submit their theses no later than eight academic sessions from the date of candidature.

Other Information

Through an agreement with the School of Public Health, University of California (Berkeley), it is expected that selected Doctor of Public Health students will be able to spend one session at the University of California (Berkeley) advancing research and/or coursework interests which are part of their approved program of study.

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 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 candidate is required to undertake a total of 72 credit points to successfully complete the Master of Midwifery – Research. It is expected that all candidates will undertake the coursework preparation program (outlined below)

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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.

Course Program

Subjects (by year)		Session	Credit Points
THES924	Thesis for full-time students	Annual	48
THES912	Thesis for part-time students		24
Core Subjects			
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMD984	Health Research Methodology	Spring	6
GHMB953	Special Topic in Nursing	Autumn or Spring	6
Elective – choose one elective from:			
GHMD983	Statistics in Health Research	Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6

Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au

Ms Moira Williamson, Coordinator, Master of Science (Midwifery), +61 2 4221 3381 or moiraw@uow.edu.au .

Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing .

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 or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Day/Evening/Flexible
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 candidate is required to undertake 72 credit points to successfully complete the Master of Nursing - Research. It is expected that all candidates will undertake the coursework preparation program (outlined below), 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.

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Course Program

Subjects (by year)		Session	Credit Points
THES924	Thesis for full-time students	Annual	48
THES912	Thesis for part-time students		24
Core Subjects			
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMD984	Health Research Methodology	Spring	6
GHMB953	Special Topic in Nursing	Autumn or Spring	6
Elective – choose one elective from:			
GHMD983	Statistics in Health Research	Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6

Candidates must also complete on-line TCHR021 Statistical Literacy, or demonstrate statistical literacy as a pre-requisite for enrolling in GHMD984.

Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au

Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing .

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
Total Credit Points:	72
Delivery Mode:	Day
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1304
CRICOS Code:	042633G

Overview

The Master of Science (Research) provides the opportunity to pursue independent research in fields including biomedical science, exercise science, exercise rehabilitation, nutrition and dietetics, and public health. Students should consult the information under the Doctor of Philosophy for information about the schools research areas.

Entry Requirements / Assumed Knowledge

Normally students must have an honours degree of at least four years duration of Class II, Division 2 standard in a relevant discipline. International students are required to have achieved an IELTS score of 6.5, with a level of 6 in reading, writing, speaking and listening.

Advanced Standing

Advanced standing for the coursework component may be granted to those who have completed an appropriate Bachelor (Honours) Degree.

Course Requirements

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.

Students entering the program with an Honours Bachelor degree with at least Class II, Division 2, are required to complete a research thesis to the value of 48 credit points.

Students who do not have an Honours Bachelor degree with at least Class II, Division 2, must complete 24 credit points of coursework research methodology, as well as complete a 48 credit point major thesis.

In the Public Health program, a detailed research proposal must be submitted for examination at about one third of the duration of the candidature. This examination must be passed successfully for the candidature to be allowed to continue.

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Course Program (Biomedical Science)

Subjects (by year)		Session	Credit Points
GHMA906	Research Project	Autumn/ Spring/ Annual	8
GHMA913	Special Topics	Autumn/ Spring/ Annual	8
GHMA909	Practicum	Autumn/ Spring/ Annual	8
THES924	Thesis for full-time students	Annual	48
THES912	Thesis for part-time students		24

Course Program (Public Health)

Subjects (by year)		Session	Credit Points
GHMD983	Statistics in Health Research	Spring	6
GHMD904	Epidemiology	Spring	6
GHMD984	Health Research Methodology	Spring	6
THES924	Thesis for full-time students	Annual	48
THES912	Thesis for part-time students		24

Professional Recognition

Master of Science (Research) is recognised as an entry qualification for a PhD program in most disciplines in Australia and other countries.

Master of Science – Research (Psychology)

Testamur Title of Degree:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years full-time
Total Credit Points:	72
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1304
CRICOS Code:	044405D

Overview

The Master of Science – Research provides the opportunity to pursue research in psychology. Students should consult the information under the Doctor of Philosophy for information about the schools research areas.

Entry Requirements / Assumed Knowledge

Students must have an honours degree of at least four years duration of Class II, Division 2 standard in a relevant discipline. 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 achieved an IELTS score of 6, with a level of 6 in reading and writing, and 5 in speaking and listening.

Course Requirements

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.

Students entering the program with an Honours Bachelor degree with at least Class II, Division 2, are required to complete a research thesis to the value of 48 credit points.

Students who do not have an Honours Bachelor degree with at least Class II, Division 2, must complete 24 credit points of coursework, research methodology, as well as complete a 48 credit point major thesis.

Course Program

Subjects		Session	Credit Points
GHMC946	Research Project A	Autumn	8
GHMC947	Research Project B	Spring	16

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THES924	for full-time students	48
THES912	or part-time	

Professional Recognition

Master of Science – Research is recognised as an entry qualification for a PhD program in most disciplines in Australia and other countries.

Master of Science (Exercise Rehabilitation)

Testamur Title of Degree:	Master of Science (Exercise Rehabilitation)
Abbreviation:	MSc
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time
Total Credit Points:	72
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574P
CRICOS Code:	026169E

Overview

The Master of Science (Exercise Rehabilitation) aims to produce professional exercise scientists who can utilise exercise to prevent and rehabilitate disease and injury in the broader community.

Entry Requirements / Assumed Knowledge

A Bachelor degree in Exercise Science or Human Movement of at least 3 years duration from a recognised tertiary institution. Places are limited and a credit average across all completed undergraduate subjects is required to be considered competitive for entry.

International students are required to have achieved an IELTS score of 6.5, with a level of at least 6 in all bands, reading, writing, speaking and listening.

Course Requirements

The Master of Science (Exercise Rehabilitation) is comprised of 72 credit points of subjects, and can be taken as 1.5 years full-time or 3 years part-time study. Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases at end of this chapter.

Course Program

Subjects (by year)		Session	Credit Points
Year 1			
BEXS411	Practicum in Exercise Science A	Autumn	8
BEXS451	Exercise Rehabilitation 1: Musculoskeletal	Autumn	8
BEXS452	Exercise Rehabilitation 2: Cardiorespiratory and Neurological	Autumn	8
BEXS402	Exercise in Special Populations	Spring	8
BEXS412	Practicum in Exercise Science B	Spring	8
BMS303	Research Topics in Exercise Science	Spring	8
Year 2			
GHMA997	Major Project	Autumn/Spring	24

Professional Recognition

Graduates holding the Master of Science (Exercise Rehabilitation) may gain full membership of AAESS after completing a period of supervised work experience, and be eligible for accredited membership following 1000 hours of post-graduation employment.

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Master of Science (Nutrition)

Testamur Title of Degree:	Master of Science (Nutrition)
Abbreviation:	MSc
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time
Total Credit Points:	72
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574
CRICOS Code:	007054G

Overview

The Master of Science (Nutrition) program provides access to the academic and research experience of the MSc (Nutrition and Dietetics) program, but excludes the placement program - and so is not accredited by the DAA. It is particularly suitable for students interested in a nutrition research career or nutrition work in other countries which do not require professional dietetic recognition.

Entry Requirements / Assumed Knowledge

A Bachelor degree (incorporating a full year of study of both biochemistry and human physiology) of at least 3 years duration from a recognised tertiary institution, or equivalent. Entry is competitive, and it is only possible to admit 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 achieved an IELTS score of 6.5, with a minimum level of 6 in reading, writing, speaking and listening.

Advanced Standing

Depending on their undergraduate degree, students can apply for advanced standing for up to 24 credit points, which would allow completion in 18 months of full-time study

Course Requirements

The Master of Science (Nutrition) is comprised of 72 credit points of subjects and can be taken as 1.5 years full-time or 3 years part-time enrolment.

Course Program

Subjects (by year)		Session	Credit Points
Year 1			
GHMA930	Community and Public Health Nutrition	Autumn	8
GHMA931	Nutrients and Metabolism	Autumn	8
GHMA932	Research in Human Nutrition	Autumn	8
GHMA997	Major Project*	Spring	24
* or 24 cp of course work approved by the coordinator			
Year 2			
GHMA933	Communication in Health Care Practice	Autumn	8
GHMA934	Dietetics	Autumn	8
GHMA935	Food Service and Dietetics Management	Autumn	8

Credit Towards Other Courses

The Master of Science (Nutrition) comprises the first 18 months of the Master of Science (Nutrition and Dietetics).

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Master of Science (Nutrition and Dietetics)

Testamur Title of Degree:	Master of Science (Nutrition and Dietetics)
Abbreviation:	MSc
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years full-time
Total Credit Points:	96
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574H
CRICOS Code:	007054G

Overview

The Master of Science (Nutrition and Dietetics) consists of coursework and placements, and develops knowledge and skills required by nutritionists/dietitians working in a variety of community and public health settings, hospitals, and other tertiary health care facilities.

Entry Requirements / Assumed Knowledge

A Bachelor degree (incorporating a full year of study of both biochemistry and human physiology) of at least 3 years duration from a recognised tertiary institution, or equivalent. Entry is competitive, and it is only possible to admit 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 achieved an IELTS score of 6.5, with a level of at least 6 in all bands, reading and writing, speaking and listening.

Advanced Standing

Depending on their undergraduate degree, students can apply for advanced standing for up to 24 credit points, which would allow completion in 18 months of full-time study.

Course Requirements

The Master of Science (Nutrition and Dietetics) is comprised of 96 credit points of subjects and can be taken as 2 years full-time or part-time equivalent.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases at end of this chapter.

Course Program

Subjects (by year)		Session	Credit Points
Year 1			
GHMA930	Community and Public Health Nutrition*	Autumn	8
GHMA931	Nutrients and Metabolism*	Autumn	8
GHMA932	Research in Human Nutrition*	Autumn	8
GHMA997	Major Project	Spring	24
Year 2			
GHMA933	Communication in Health Care Practice	Autumn	8
GHMA934	Dietetics	Autumn	8
GHMA935	Food Service and Dietetics Management	Autumn	8
GHMA937	Practical Studies in Nutrition and Dietetics	Spring	24

* Graduates of the BSc (Nutrition) degree from the University of Wollongong may apply for exemption from these subjects.

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.

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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
Total Credit Points:	104
Delivery Mode:	Face-to-Face
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

A Bachelor degree in Exercise Science and Nutrition of at least 3 years duration from a recognised tertiary institution. Applicants with other undergraduate degree backgrounds may need to complete additional study prior to entry into this degree. Entry is highly competitive and specific subject pre-requisites must be met to be eligible to apply.

International students are required to have achieved an IELTS score of 6.5, with a level of at least 6 in all bands, reading and writing, speaking and listening.

Course Requirements

The Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) is comprised of 104 credit points of subjects and can be taken as 2 years full-time or part-time equivalent.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases at end of this chapter.

Course Program

Subjects (by year)		Session	Credit Points
Year 1			
BEXS451	Exercise Rehabilitation 1: Musculoskeletal	Autumn	8
BEXS452	Exercise Rehabilitation 2: Cardiorespiratory & Neurological	Autumn	8
GHMA935	Food Service and Dietetics Management	Autumn	8
BEXS411	Practicum in Exercise Science A	Annual	8
BEXS402	Exercise in Special Populations	Autumn	8
BMS304	Research Topics in Nutrition and Dietetics	Spring	16
Year 2			
BEXS412	Practicum in Exercise Science B		
		Autumn	8
GHMA934	Dietetics	Autumn	8
GHMA929	Exercise Psychology and Dietary Counselling	Autumn	8
GHMA937	Practical Studies in Nutrition and Dietetics	Spring	24

GHMA930 Community and Public Health Nutrition must also be completed if BMS310 is not passed in an undergraduate program.

Professional Recognition

The Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) is designed to provide a dual qualification recognised by both the Dietitians Association of Australia (DAA) and the Australian Association for Exercise and Sports Science (AAESS). Such recognition will allow graduates to attain accreditation as both professional dietitians and exercise science practitioners.

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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
Total Credit Points:	52
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574S
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 the opportunity to develop a specialisation in either Occupational and Environmental Health or OH&S Management. This degree also allows students to develop research skills related to professional practice in OH&S.

Entry Requirements / Assumed Knowledge

A three-year undergraduate degree and related work experience or a Graduate Certificate in Science (OH&S) with a credit average from the University of Wollongong.

International students are required to have achieved an IELTS score of 6.5, with a level of at least 6 in all bands, reading and writing, speaking and listening.

Course Requirements

The Master of Science (Occupational Health and Safety) is comprised of 52 credit points of subjects and can be taken as 1 year full-time or part-time equivalent.

Course Program

Subjects (by year)		Session	Credit Points
LAW969	OH&S Law**	Autumn	6
GHMA920	Behavioural Change: Human Factors in OH&S	Spring	6
GHMD983	Statistics in Health Research	Spring	6
GHMA915	Ergonomics in Practice*	Autumn	8
GHMA923	OH&S Risk Management*	Summer	6
GHMA922	Occupational Hygiene and Toxicology*	Summer	6
GHMA927	Advanced Workplace Injury Management*	Spring	8
Plus 6cp of electives from the list below, or other 900 level subjects approved by the Course Coordinator.			
GHMA940	Measurement of Hazardous Substances*	Winter	6
GHMA941	Thermal Environment*	Spring	6
GHMA942	Noise- Measurement and its effects*	Winter	6
GHMD912	Health Promotion	Autumn	6
GHMD986	Environmental Health	Autumn	6
MGMT915	Management of Change	Spring	6

* These subjects are taught in various block delivery modes. Please consult the Course Coordinator for details.

**This subject is run by the Faculty of Law and usually runs in block format, please consult with 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).

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Master of Science (Population Health)

Testamur Title of Degree:	Master of Science (Population Health)
Abbreviation:	MSc
Home Faculty:	Faculty of Health and Behavioural Science
Duration:	2 years or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Day
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	574P
CRICOS Code:	056218G

Overview

The Master of Science (Population Health) provides students with the knowledge and understanding of efforts made by society to protect, promote and restore people's health. However, as a 72 credit point degree, it also gives students the opportunity to gain more knowledge in the area of health management, to undertake a major project, or to undertake study in another area with approval of Head of School.

Entry Requirements / Assumed Knowledge

A Bachelor degree of at least three years duration from a recognised tertiary institution or equivalent. People with other acceptable qualifications and work experience may be admitted on completion of the Graduate Certificate in Public Health. International students are required to have achieved an IELTS score of 6.5, with a level of 6.0 in all bands.

Course Requirements

72 credit points of coursework, comprising

for the health management stream: five core subjects and GHMD906 Quality Management for Health Services; plus, another 3 elective subjects from schedule 2 and a further 18 credit points from any schedule; and,

for the project stream: 5 core subjects plus GHMD997 Major Project; and a further 18 credit points from any schedule.

International students must take GHMD903 in their first session. Other elective subjects may be approved by the Head of School.

Course Program

Subjects (by year)		Session	Credit Points
Core Subjects			
GHMD905	Social Foundations of Public Health	Autumn	6
GHMD912	Health Promotion	Autumn	6
GHMD983	Statistics in Health Research	Spring	6
GHMD904	Epidemiology	Spring	6
GHMD984	Health Research Methodology	Spring	6
Electives			
Schedule 1			
GHMD903	Public Health Communication and Data Skills1	Autumn/ Spring	6
GHMD936	Public Health Nutrition	Autumn	6
GHMD913	Alcohol and Other Drug Studies	Autumn	6
GHMD930	Mass Media and Population Health1	n/o 2008	6
GHMB923	Legal and Professional Issues1	Autumn	6
GHMB940	Indigenous Family Studies1	Autumn	6
GHMB943	Health and Human Ecology1	Autumn	6
GHMD986	Environmental Health1,2	Autumn	6
GHMD981	Reproductive Health Care in Developing Countries1,2	Spring	6
GHMD985	Public Health Investigation1	Spring	6
GHMB941	Indigenous Health Patterns1	Spring	6
GHMB944	Community Resource Planning1	Spring	6

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Schedule 2

GHMD906	Quality Management for Health Services	Autumn	6
GHMD924	Health Information Systems	Autumn	6
ECON918	Economics of Health Care1	Autumn	6
TBS901	Accounting for Managers2	Autumn	6
TBS903	Managing People in Organisations2	Spring	6
GHMD909	Comparative Health Systems	Spring	6
GHMD908	Health Services Planning and Evaluation	Spring	6
GHMB902	Nursing Management1,2	Spring	6

Schedule 3

GHMD907	Independent Study in Public Health3	Autumn/ Spring	6
GHMD995	Minor project1,3	Autumn/ Spring	12
GHMD997	Major project1,3	Autumn/ Spring	24

1 These subjects not available by distance education

2 Block delivery on campus

3 Must have permission of Subject Coordinator to enrol; not normally permitted during first session of study

Master of Health Management

Testamur Title of Degree:	Master of Health Management
Abbreviation:	MHlthMgmt
Home Faculty:	Faculty of Health and Behavioural Science
Duration:	1 year or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus/Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong, Sydney, Distance
UOW Course Code:	598
CRICOS Code:	026175G

Overview

The Master of Health Management program is designed for those in sectional, clinical or departmental management positions, or for those health professionals with relevant experience who wish to extend their activities into health management.

Entry Requirements / Assumed Knowledge

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. In special circumstances, an applicant holding other acceptable academic qualifications, plus a minimum of two years full-time relevant work experience, may be admitted. If you do not have a three year Bachelor degree or equivalent, you must provide a detailed statement confirming the nature and duration of your work experience, together with supporting documentation from your employer. International students are required to have achieved an IELTS score of 6.5, with a level of 6.0 in all bands.

Advanced Standing

Students who have completed relevant subjects in a Graduate Certificate in Health Management or Graduate Certificate in Public Health may receive advanced standing based on those subjects, up to a maximum of 24 credit points.

Course Requirements

Candidates are required to complete 48 credit points of accredited modules comprising subjects on offer from the School of Health Sciences and the Graduate School of Business.

Course Program

Subjects		Session	Credit Points
Core Subjects			
ECON918	Economics of Health Care	Autumn	6
GHMD906	Quality Management for Health Services	Autumn	6

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GHMD924	Health Information Systems	Autumn	6
GHMD908	Health Services Planning and Evaluation	Spring	6
GHMD909	Comparative Health Systems: Policies and Politics	Spring	6
TBS901	Accounting for Managers	Intake C	6
TBS903	Managing People in Organisations	Intake B	6

Plus one elective subject as approved by the Course Co-ordinator. *

* Students who wish to progress to the MBA program, must complete TBS909 Corporate Governance as the elective subject.

Credit Towards other Courses

Upon successful completion of the Master of Health Management, those students who meet the Master of Business Administration (MBA) entry requirements may apply to enrol in the MBA degree, and will be required to complete a further seven specified subjects (42 credit points) as determined by the MBA Course Co-ordinator.

Master of Public Health

Testamur Title of Degree:	Master of Public Health
Abbreviation:	MPubHlth
Home Faculty:	Faculty of Health and Behavioural Science
Duration:	1 year or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Day/Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong and off campus by distance education
UOW Course Code:	580
CRICOS Code:	009245F

Overview

The Master of Public Health provides students with knowledge and understanding of efforts made by society to protect, promote and restore people's health. Health is defined as a state of well-being, not just the absence of disease. The goals of public health include the promotion and improvement of health, as well as the prevention of disease, premature death, and disease-produced discomfort and disability in the population.

Entry Requirements / Assumed Knowledge

A Bachelor degree of at least three years duration from a recognised tertiary institution or equivalent. People with other acceptable qualifications and work experience may be admitted on completion of the Graduate Certificate in Public Health. International students are required to have achieved an IELTS score of 6.5, with a level of 6.0 in all bands.

Course Requirements

48 credit points of coursework, comprising five core subjects and three electives from any schedule. International students must take GHMD903 in their first session. Other elective subjects may be approved by the Head of School.

Course Program

Subjects (by year)		Session	Credit Points
Core Subjects			
GHMD905	Social Foundations of Public Health	Autumn	6
GHMD912	Health Promotion	Autumn	6
GHMD983	Statistics in Health Research	Spring	6
GHMD904	Epidemiology	Spring	6
GHMD984	Health Research Methodology	Spring	6
Electives			
Schedule 1			
GHMD903	Public Health Communication and Data Skills 1	Autumn/ Spring	6
GHMD936	Public Health Nutrition	Autumn	6
GHMD913	Alcohol and Other Drug Studies	Autumn	6
GHMD930	Mass Media and Population Health 1	N/O 2008	6

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GHMB923	Legal and Professional Issues 1	Autumn	6
GHMB940	Indigenous Family Studies	Autumn	6
GHMB943	Health and Human Ecology 1,2	Autumn	6
GHMD925	Aboriginal Health Issues	Spring	6
GHMD981	Reproductive Health Care in Developing Countries 1,2	Spring	6
GHMB941	Indigenous Health Patterns 1,2	Spring	6
GHMB944	Community Resource Planning 1	Spring	6
GHMD985	Public Health Investigation 1	Spring	6
GHMD986	Environmental Health 1,2	Autumn	6
Schedule 2			
GHMD906	Quality Management for Health Services	Autumn	6
GHMD924	Health Information Systems	Autumn	6
ECON918	Economics of Health Care 1	Autumn	6
TBS901	Accounting for Managers 1	Autumn	6
TBS903	Managing People in Organisations 1	Spring	6
GHMD909	Comparative Health Systems	Spring	6
GHMD908	Health Services Planning and Evaluation	Spring	6
GHMB902	Nursing Management 1	Spring	6
Schedule 3			
GHMD907	Independent Study in Public Health 3	Autumn/ Spring	6
GHMD995	Minor project 1,3	Autumn/ Spring	12

1 These subjects not available by distance education

2 Block delivery on campus

3 Must have permission of Subject Coordinator to enroll; not normally permitted during first session of study

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
Total Credit Points:	48
Delivery Mode:	Face-to-face
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, with emphasis in biomedical science of at least 3 years duration from a recognised tertiary institution. 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 achieved an IELTS score of 6, with a level of 6 in reading and writing, and 5 in speaking and listening.

Course Requirements

The Graduate Diploma in Science (Biomedical Science) is comprised of 48 credit points of subjects, and can be taken as a one year full-time, or 2 years part-time enrolment.

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As the program is designed specifically for each student's needs, subjects should be selected in consultation with an academic adviser and be approved by the Head of School. Students may choose subjects from discipline areas including anatomy, physiology, biochemistry, exercise physiology and nutrition.

Graduate Diploma in Science (Exercise Rehabilitation)

Testamur Title of Degree:	Graduate Diploma in Science (Exercise Rehabilitation)
Abbreviation:	GDipSc
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time
Total Credit Points:	48
Delivery Mode:	Day
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	650
CRICOS Code:	002508M

Overview

The Graduate Diploma in Science (Exercise Rehabilitation) focuses on the utilisation of exercise as a means of improving health and fitness, and rehabilitating injured tissues and/or systems.

Entry Requirements / Assumed Knowledge

Entry into the Graduate Diploma in Science (Exercise Rehabilitation) requires the successful completion of a Bachelor of Science (Exercise Science) (or equivalent) of at least 3 years duration from a recognised tertiary institution.

It is only possible to admit a limited number of students each year. If the number of applicants exceeds the quota, admission will be based on academic grades across the second and third year subjects in the undergraduate degree.

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 Graduate Diploma in Science (Exercise Rehabilitation) is comprised of 48 credit points of subjects and can be taken as a one year full-time or 2 years part-time enrolment.

Course Program

Subjects (by year)		Session	Credit Points
BEXS411	Practicum in Exercise Science A	Autumn	8
BEXS451	Exercise Rehabilitation 1: Musculoskeletal	Autumn	8
BEXS452	Exercise Rehabilitation 2: Cardiorespiratory and Neurological	Autumn	8
BEXS402	Exercise Science for Special Populations	Spring	8
BEXS412	Practicum in Exercise Science B	Spring	8
BMS303	Research Topics in Exercise Science	Spring	8

Professional Recognition

Graduates of the Graduate Diploma in Science (Exercise Rehabilitation) may gain full membership of AAESS after completing a period of supervised work experience, and may apply for accredited membership following 1000 hours of paid employment.

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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:	26
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
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 with a Certificate IV in Workplace Safety and a Certificate IV in Assessment & Workplace Training, a minimum of 2 years work experience, or TAFE 3 year minimum Trade Certificate with a minimum of 2 years work experience. The course is designed to permit students to transfer to the Master of Science (Occupational Health and Safety).

Entry Requirements / Assumed Knowledge

A 3 year Bachelors degree from a recognised tertiary institution or equivalent, Certificate IV in Workplace Safety and a Certificate IV in Assessment & Workplace Training with a minimum of two years work experience.

International students are required to have achieved an IELTS score of 6.5, with a level of at least 6 in all bands, reading and writing, speaking and listening.

Course Requirements

The Graduate Certificate in Occupational Health and Safety course is comprised of 26 credit points of subjects, and can be taken as a one session full-time enrolment or 1 year part-time.

Course Program

Subjects (by year)		Session	Credit Points
GHMA923	OH&S Risk Management*	Summer	6
LAW969	Occupational Health and Safety Law**	Autumn	6
GHMA922	Occupational Hygiene and Toxicology*	Summer	6
GHMA927	Advanced Workplace Injury Management *	Spring	8

* These subjects are taught in various block delivery modes. Please consult the Course Coordinator for details.

**This subject is run by the Faculty of Law and usually runs in block format, please consult with the Faculty of Law for details.

Credit Towards Other Courses

The Graduate Certificate in Occupational Health and Safety course is designed to permit students to transfer to the Master of Science (Occupational Health & Safety). Students must maintain a credit point average to transfer to the Master of Science (Occupational Health & Safety) and are to discuss this option with the Course Coordinator.

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Graduate Certificate in Public Health

Testamur Title of Degree:	Graduate Certificate in Public Health
Abbreviation:	GCertPubHlth
Home Faculty:	Faculty of Health and Behavioural Science
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Day/Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong and off-campus by distance education
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. Students can gain a qualification in public health in a flexible manner, including a choice of subjects and a manageable investment of time and money.

Entry Requirements / Assumed Knowledge

Entrants to the course normally hold a three year undergraduate degree (or equivalent). An applicant holding other acceptable qualifications may be admitted to this course. International students are required to have achieved an IELTS score of 6.5, with a level of 6.0 in all bands.

Course Requirements

The Graduate Certificate in Public Health is awarded on the successful completion of 24 credit points of course work selected from the following subjects:-

Course Program

Subjects (by year)		Session	Credit Points
Core Subjects			
GHMD905	Social Foundations of Public Health	Autumn	6
and/or			
GHMD912	Health Promotion	Autumn	6
plus			
GHMD983	Statistics in Health Research	Spring	6
GHMD904	Epidemiology	Spring	6
Electives			
Schedule 1			
GHMD903	Public Health Communication and Data Skills 1	Autumn/ Spring	6
GHMD936	Public Health Nutrition	Autumn	6
GHMD913	Alcohol and Other Drug Studies	Autumn	6
GHMD930	Mass Media and Population Health 1	n/o 2008	6
GHMB923	Legal and Professional Issues 1	Autumn	6
GHMB940	Indigenous Family Studies	Autumn	6
GHMB943	Health and Human Ecology 1,2	Autumn	6
GHMD925	Aboriginal Health Issues	Spring	6
GHMD981	Reproductive Health Care in Developing Countries 1	Spring	6
GHMB941	Indigenous Health Patterns 1,2	Spring	6
GHMB944	Community Resource Planning 1	Spring	6
GHMD985	Public Health Investigation	Spring	6
GHMD986	Environmental Health 1,2	Autumn	6
Schedule 2			
GHMD906	Quality Management for Health Services	Autumn	6
GHMD924	Health Information Systems	Autumn	6

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ECON918	Economics of Health Care	Autumn	6
TBS901	Accounting for Managers 1	Autumn	6
TBS903	Managing People in Organisations 1	Spring	6
GHMD909	Comparative Health Systems	Spring	6
GHMD908	Health Services Planning and Evaluation	Spring	6
GHMB902	Nursing Management 1,2	Spring	6

1 These subjects not available by distance education

2 Block delivery on campus

Credit Towards Other Courses

On completion of the Graduate Certificate in Public Health, students may apply to transfer into the Masters of Public Health. Successful applicants will be required to complete a further 24 credit points of course work from the Masters program.

Graduate Certificate in Health Management

Testamur Title of Degree:	Graduate Certificate in Health Management
Abbreviation:	GCertHlthMgmt
Home Faculty:	Faculty of Health and Behavioural Science
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	Combination of On Campus, Distance and Modular
Starting Session(s):	Autumn/Spring
Location:	Wollongong, Sydney
UOW Course Code:	1131
CRICOS Code:	020201C

Overview

The aim of this program is to provide advanced professional education for health service managers in the concepts, theories, approaches and practices of health management.

Entry Requirements / Assumed Knowledge

A Bachelor degree of at least three years duration from a recognised tertiary institution or equivalent, together with a minimum of two years relevant work experience. In special circumstances, an applicant holding acceptable academic or professional qualifications and with relevant work experience of not less than two years, may be admitted. International students are required to have achieved an IELTS score of 6.5, with a level of 6.0 in all bands.

Course Requirements

Subjects		Session	Credit Points
Two subjects selected from:			
GHMD906	Quality Management for Health Services	Autumn	6
GHMD924	Health Information Systems	Autumn	6
GHMD908	Health Services Planning and Evaluation	Spring	6
GHMD909	Comparative Health Systems: Policies and Politics	Spring	6
Plus two subjects from:			
TBS901	Accounting for Managers	Autumn	6
TBS903	Managing People in Organisations	Spring	6
ECON918	Economics of Health Care	Autumn	6

Credit Towards other Courses

On completion of the Graduate Certificate of Health Management, students may apply to enter the Master of Health Management, Master of Public Health or Master of Science (Population Health) programs.

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Graduate Certificate in HIV/AIDS

Testamur Title of Degree:	Graduate Certificate in HIV/AIDS
Abbreviation:	GCertHIV/AIDS
Home Faculty:	Faculty of Health and Behavioural Science
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:	1158
CRICOS Code:	N/A

Overview

The aim of the program is to up-skill health workers in HIV/AIDS knowledge and service provision skills and provide academic recognition to health workers in the area of HIV/AIDS.

Entry Requirements / Assumed Knowledge

A Bachelor degree of at least three years duration or other qualification and relevant health service experience, approved by the Head of the Program. In special circumstances, an applicant holding acceptable academic or professional qualifications and with relevant work experience of not less than two years, may be admitted. International students are required to have achieved an IELTS score of 6.5, with a level of 6.0 in all bands.

Course Requirements

Subjects		Session	Credit Points
Core Subjects			
GHMD928	Introduction to Infectious Disease – HIV/AIDS & Hepatitis	Spring	6
GHMD981	Reproductive Health Care in Developing Countries	Spring	6
Electives			
Select one of the following :			
GHMD905	Social Foundations of Public Health	Autumn	6
GHMD912	Health Promotion	Autumn	6
Plus one of the following:			
GHMB902	Nursing Management	Spring	6
GHMB950	Reflective Practice	Autumn	6

Credit Towards other Courses

On completion of the Graduate Certificate in HIV/AIDS, students may apply to enter the Master of Public Health, Master of Science (Population Health) or Master of Nursing programs.

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Graduate Certificate in Advanced Dietetic Practice

Testamur Title of Degree:	Graduate Certificate in Advanced Dietetic Practice
Abbreviation:	GCertAdvDietPrac
Home Faculty:	Health and Behavioural Sciences
Duration:	4 sessions part-time, or 1 session full-time
Total Credit Points:	24
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1170
CRICOS Code:	TBA

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 course consists of 4 subjects (24 credit points) and will take a minimum of one semester to complete, 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).

Course Program

Core Subjects		Session	Credit Points
GHMA 936	Advanced Dietetic Practice	Autumn, Spring or Annual	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
One of the following:			
GHMB983	Statistics in Health Research	Spring	6
GHMD984	Health Research Methodology	Spring	6
GHMA932	Research in Human Nutrition	Autumn	6
CHIP915	Essential Skills for Health Researchers	Autumn	6
Elective Subjects options			
TBS 901	Accounting for Managers	Autumn or Spring	6
TBS 903	Managing People in Organisations	Autumn or Spring	6
SFC 902	Food Regulation and Policy in Australia	Autumn	6
CHIP912	Advanced Studies in Behaviour Change	Autumn	6
SFC904	Nutrition and Food Innovation	Spring	6
GHMD907	Independent Study in Public Health	Autumn or Spring	6
TBS904	Marketing Management	Spring	6

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CHIP915	Essential Skills for Health Researchers*	Autumn	6
CHIP913	Social Marketing Practice	Spring or Summer	6
GHMB925	Effective Leadership in Health	Autumn or Spring	6
GHMD984	Health Research Methodology*	Spring	6
CHIP911	Social Marketing for Health	Autumn	6
GHMC984	Social Psychology & Health	Spring	6
GHMA932	Research in Human Nutrition*	Autumn	6
GHMD983	Statistics in Health Research*	Spring	6

* not permitted as elective if taken as a core subject.

For more information please contact:

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Email: peter_williams@uow.edu.au

Master of Health Leadership and Management

Testamur Title of Degree:	Master of Health Leadership and Management
Abbreviation:	MHlthLeadMgmt
Home Faculty:	Faculty of Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn, Spring, Summer at Wollongong campus
Delivery Mode:	Face-to-face
Location:	Wollongong
UOW Course Code:	1567
CRICOS Code:	026342G

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.

Advanced Standing

Candidates must successfully complete a total of eight subjects, totalling 48 credit points; no advanced standing will be granted for subjects completed in the first graduate certificate degree. Students who successfully complete one of the Graduate Certificate programs listed in the course structure with an average mark of at least 60 per cent, may apply to progress to the MHLM with credit for previous studies.

Course Requirements

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. Candidates will then 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.

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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 Management

Graduate Certificate in Nutrition Management

Graduate School of Business

Graduate Certificate in Business Administration

Graduate Certificate in Logistics

Graduate Certificate in Management

Faculty of Informatics

Graduate Certificate in Health Informatics

Graduate Certificate in Information and Communication Technology

Course structures for individual Graduate Certificate degrees can be found in the relevant Faculty's Handbook.

Master of Indigenous Health

Testamur Title of Degree:	Master of Indigenous Health
Abbreviation:	MIndHealth
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Flexible / Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	589
CRICOS Code:	031165M

Overview

The Master of Indigenous Health is currently delivered through distance education, with some provision for negotiated tutorial time.

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 Bachelor degree of at least three years duration or Graduate Diploma (or equivalent), from a recognised tertiary institution. Recognition is given for relevant work experience and prior learning.

Course Requirements

Students complete a program of 72 credit points, including the Graduate Diploma in Indigenous Health (48 credit points):

Course Program

Subjects (by year)		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
GHMB942	Special Topic	Autumn/ Spring	12
Plus electives to the value of 12 credit points chosen in consultation with the Course Coordinator, plus:			
GHMB998	Minor Thesis	Autumn/ Spring	24

Other Information

Ms Faye McMillan, Postgraduate Indigenous Health Coordinator +61 2 4221 3453 or fayemc@uow.edu.au .

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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 or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Day/Evening/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 Bachelor degree in Nursing of at least three years duration or a Graduate Certificate in Nursing from a recognised tertiary institution. 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 is a 48 credit point program that may consist entirely of coursework, or may be a combination of coursework and a major project. There are four core subjects that all students must complete (24 credit points); 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

Subjects (by year)		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	Autumn	6
GHMD984	Health Research Methodology	Spring	6
Elective Subjects			
GHMB902	Nursing Management	Autumn or Spring	6
GHMB903	Scientific and Quantitative Development in Acute Care Nursing	Autumn or Spring	6
GHMB906	Acute Care Nursing: Reflections on Practice	Autumn or Spring	6
GHMB907	Fundamental Concepts in Developmental Disability	Autumn	6
GHMB908	Applied Behavioural Science for Developmental Disability Practice	Spring	6
GHMB910	Contemporary Issues in Developmental Disability	Spring	6
GHMD913	Alcohol and Other Drug Studies	Autumn	6
GHMD904	Epidemiology	Spring	6
GHMD905	Social Foundations of Public Health	Autumn	6
GHMD906	Quality Management for Health Services	Autumn	6
GHMD908	Health Services Planning and Evaluation	Spring	6

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GHMD909	Comparative Health Systems	Spring	6
GHMD912	Health Promotion	Autumn	6
GHMD924	Health Information Systems	Autumn	6
GHMD925	Aboriginal Health Issues	Spring	6
GHMD936	Public Health Nutrition	Autumn	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 GHMD984.

Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au
Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing .

Master of Nursing (Mental Health)

Testamur Title of Degree:	Master of Nursing (Mental Health)
Abbreviation:	MNursMntlHlth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Day/Flexible
Starting Session(s):	Autumn / Spring
Location:	Wollongong / Flexible Delivery
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 Bachelor degree in Nursing of at least three 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 level of at least 6.0 in all bands, reading and writing, speaking and listening.

Course Requirements

The candidate is required to undertake 48 credit points to successfully complete the Master of Nursing (Mental Health).

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases at end of this chapter.

Course Program

Subjects (by year)		Session	Credit Points
Core Subjects			
GHMB950	Reflective Practice 1	Spring	6
GHMB989	Mental Health Nursing: Clinical Principles and Practice	Annual	12
GHMB934	Assessment and Diagnosis in Mental Health	Autumn	6
GHMB954	Drug and Alcohol Studies	Autumn	6
GHMB932	Principles and Practice of Psychosocial Rehabilitation	Autumn	6
GHMB935	Case Management in Mental Health	Spring	6
GHMB902	Nursing Management	Spring	6

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Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au
Assoc Prof Janette Curtis, Course Coordinator, +61 2 4221 3467 or jcurtis@uow.edu.au .

Uniadvice 1300 367 869. Visit our website: www.uow.edu.au/health/nursing .

Master of Science (Gerontology and Rehabilitation Studies)

Testamur Title of Degree:	Master of Science (Gerontology and Rehabilitation Studies)
Abbreviation:	MSc
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Day / Evening / Flexible
Starting Session(s):	Autumn / Spring
Location:	Wollongong
UOW Course Code:	574G
CRICOS Code:	048497G

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 Bachelor 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 IETLS 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 (Gerontology and Rehabilitation Studies) is a 48 credit point programme that may consist entirely of course work, or may be a combination of coursework and major project. There are four core subjects that all students must complete (24 credit points). The remaining 24 credit points can be made up from elective subjects, or the student may elect to complete their programme by undertaking a research project (Major Project).

Course Program

Subjects (by year)		Session	Credit Points
Core subjects			
GHMB956	Policy and Practice in the Care of Older People	Autumn	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
GHMB950	Reflective Practice	Autumn/Spring	6

Elective subjects

24 credit points chosen from Nursing, Midwifery and Indigenous Health and Health Sciences

Other information

Further information is available from Associate Professor Victoria Traynor (Rehabilitation, Continuing and Aged Care) and Director, Eastern Australia Dementia Training Study Centre: +61 (0)2 4221 3471/ 3339

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Master of Science (Developmental Disability)

Testamur Title of Degree:	Master of Science (Developmental Disability)
Abbreviation:	MSc
Home Faculty:	Health and Behavioural Sciences
Duration:	Additional 6 months following completion of the Graduate Diploma
Total Credit Points:	24 credit points (above the 48 credit points completed in the Graduate Diploma in Science (Developmental Disability) (Currently under review)
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	574P
CRICOS Code:	048497G

Overview

This multidisciplinary program is designed for health and education professionals who work in the developmental disability sector. It aims to provide an appropriate theoretical and conceptual framework for practice and access to contemporary information relating to developmental disability.

The course consists of specialist developmental disability subjects and electives. Emphasis is on applying theoretical, research-based knowledge to practice in the developmental disability field.

Entry Requirements / Assumed Knowledge

Successful completion of the University of Wollongong's Graduate Diploma in Science (Developmental Disability).

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

Students enrolling in the Master of Science (Developmental Disability) already will have completed the 48 credit point Graduate Diploma in Science (Developmental Disability). The candidate is required to undertake a further 24 credit points of subjects to successfully complete the Master of Science (Developmental Disability).

Students undertake a research project on an aspect of developmental disability that consolidates earlier studies in developmental disability and research methodology.

Course Program

Following completion of the requirements for the Graduate Diploma in Science (Developmental Disability) students enrol in:

Subjects (by year)		Session	Credit Points
GHMB998	Minor Thesis	Autumn or Spring or Annual	24

Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au
Ms Isla Bowen, Course Coordinator, +61 2 4221 3470 or isla_bowen@uow.edu.au .

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Visit our website: www.uow.edu.au/health/nursing.

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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 or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Day / Evening
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574M
CRICOS Code:	016124A

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, NSW, Australia in order to become Registered Midwives. The program aims to provide graduates with skills and advanced knowledge from several related disciplines to provide continuing care for women, their infants and families during the reproductive phase of their lifespan. During the program, the exploration and clarification of evidence-based midwifery practice is emphasised.

Entry Requirements / Assumed Knowledge

Authorisation to practice as a Registered Nurse by the Nurses Registration Board of NSW, List A and:

a) a three-year Bachelor of Nursing degree or equivalent (eg. Diploma in Nursing, Graduate Diploma in Nursing) or a three-year Bachelor degree from a related discipline;

b) consideration may be given to registered midwives who do not hold any diplomas or previously mentioned degrees.

International students who are registered midwives in their own countries may enrol and are awarded advanced standing for the clinical subjects. International students who are not registered midwives in their own countries must obtain temporary registration as a nurse in New South Wales through the Nurses and Midwives Board, NSW, Australia in order to undertake the clinical subjects. 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 completion of 48 credit points of subjects. Students are required to complete a minimum of 1516 hours of reimbursed, or 1020 hours total supernumerary clinical experience, to demonstrate that they meet the Nurses Registration Board of NSW pre-requisite for registration.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases at the end of this chapter.

Course Program

Subjects (by year)		Session	Credit Points
Core Subjects			
GHMB911	Midwifery Practice 1*	Autumn	4
GHMB912	Midwifery Practice 2*	Spring	4
GHMB913	Midwifery Practice 3*	Summer	4
GHMB914	Midwifery Management 1	Autumn	6
GHMB915	Midwifery Management 2	Spring	6
GHMB916	Human Reproduction	Autumn	6
GHMB917	Midwifery in the Social Context	Spring	6
GHMB923	Legal and Professional Issues	Autumn	6
GHMB950	Reflective Practice 1	Spring	6

* Clinical subjects

Professional Recognition

Graduates are eligible to apply for registration as Registered Midwives with the Nurses Registration Board NSW. Registration in other states is assessed individually.

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Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au .

Ms Moira Williamson, Coordinator, Master of Science (Midwifery), +61 2 4221 3381 or moiraw@uow.edu.au .

Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing .

Graduate Diploma in Indigenous Health

Testamur Title of Degree:	Graduate Diploma in Indigenous Health
Abbreviation:	GradDipIndHealth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	668
CRICOS Code:	028406C

Overview

The Graduate Diploma in Indigenous Health is currently delivered through distance education, with some provision for negotiated tutorial time.

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 Bachelor degree of at least three years duration from a recognised tertiary institution or Graduate Certificate in Indigenous Health.

Course Program

Subjects (by year)		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
GHMB942	Special Topic	Autumn/ Spring	12

PLUS electives to the value of 12 credit points chosen in consultation with the Course Coordinator.

Other Information

For further information contact:

Ms Faye McMillan, Postgraduate Indigenous Health Coordinator +61 2 4221 3453 or fayemc@uow.edu.au.

Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing .

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Graduate Diploma in Science (Developmental Disability)

Testamur Title of Degree:	Graduate Diploma in Science (Developmental Disability)
Abbreviation:	GDipSc(DD)
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years part-time
Total Credit Points:	48
Delivery Mode:	Weekend classes
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	650
CRICOS Code:	N/A

Overview

The Graduate Diploma in Science (Developmental Disability) is a multi-disciplinary course designed for health and education professionals working in the developmental disability sector. It aims to provide an appropriate theoretical and conceptual framework for practice and access to contemporary information relating to developmental disability. The course consists of specialist developmental disability subjects and electives. Emphasis is on applying theoretical, research-based knowledge to practice in the developmental disability field.

Entry Requirements / Assumed Knowledge

A Bachelor degree in Nursing of at least three years duration from a recognised tertiary institution. Other qualifications (eg. Diploma or Certificate in Nursing) may be acceptable for entry, in consultation with Course Coordinators.

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 candidate is required to undertake 48 credit points to successfully complete the Graduate Diploma in Science (Developmental Disability). Six subjects (36 credit points) are compulsory; the remaining two subjects (12 credit points) are elective subjects chosen in consultation with the Course Coordinator.

Course Program

Subjects (by year)		Session	Credit Points
Core Subjects			
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB907	Fundamental Concepts in Developmental Disability	Autumn	6
GHMB908	Applied Behavioural Science for Developmental Disability Practice	Spring	6
GHMB910	Contemporary Issues in Developmental Disability	Spring	6
GHMD983	Statistics in Health Research	Spring	6
GHMD984	Health Research Methodology	Spring	6

PLUS electives to the value of 12 credit points, to be discussed with the course coordinator.

Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au .

Ms Isla Bowen, Course Coordinator, +61 2 4221 3470 or isla_bowen@uow.edu.au .

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Visit our website: www.uow.edu.au/health/nursing .

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Graduate Certificate in Developmental Disability

Testamur Title of Degree:	Graduate Certificate in Developmental Disability
Abbreviation:	GCertDD
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Weekend classes
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1149
CRICOS Code:	N/A

Overview

The Graduate Certificate in Developmental Disability is a multi-disciplinary course designed for health and education professionals providing direct care to people with developmental disabilities. It aims to provide an appropriate theoretical and conceptual framework for practice and access to contemporary information relating to developmental disability.

The course consists of specialist developmental disability subjects and electives. Emphasis is on applying theoretical, research-based knowledge to practice in the developmental disability field.

Entry Requirements / Assumed Knowledge

A Bachelor degree in a relevant discipline of at least three years duration from a recognised tertiary institution. Other qualifications (eg. Diploma or Certificate in Nursing) may be acceptable for entry, in consultation with Course Coordinator.

Course Requirements

The candidate is required to undertake a 24 credit point program to successfully complete the Graduate Certificate in Developmental Disability. Three subjects (18 credit points) are compulsory; the remaining subject (6 credit points) is an elective subject chosen in consultation with the Course Coordinator.

Course Program

Subjects (by year)		Session	Credit Points
Core Subjects			
GHMB907	Fundamental Concepts in Developmental Disability	Autumn	6
GHMB908	Applied Behavioural Science for Developmental Disability Practice	Spring	6
GHMB910	Contemporary Issues in Developmental Disability	Spring	6

PLUS elective to the value of 6 credit points, to be discussed with the Course Coordinator.

Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au .

Ms Isla Bowen, Course Coordinator, +61 2 4221 3470 or isla_bowen@uow.edu.au .

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Visit our website: www.uow.edu.au/health/nursing .

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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:	6 months or part-time equivalent
Total Credit Points:	24
Delivery Mode:	Day / Evening / Flexible
Starting Session(s):	Autumn / Spring
Location:	Wollongong
UOW Course Code:	1165
CRICOS Code:	059813J

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

Professional Certificate in a health-related discipline. International students must have an overall IETLS score of 6.5, with a level of at least 6.0 in all bands, reading and writing, speaking and listening

Course Requirements

The Graduate Certificate in Gerontology and Rehabilitation Studies is a 24 credit point programme that consists entirely of course work. There are four core subjects that all students must complete (24 credit points).

Course Program

Subjects (by year)		Session	Credit Points
Core subjects			
GHMB956	Policy and Practice in the Care of Older People	Autumn	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
GHMB950	Reflective Practice	Autumn/Spring	6

Other information

Further information is available from Associate Professor Victoria Traynor (Rehabilitation, Continuing and Aged Care) and Director, Eastern Australia Dementia Training Study Centre: +61 (0)2 4221 3471/ 3339

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Visit our website: www.uow.edu.au/health/nursing

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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:	0.5 year full-time, or part-time equivalent
Total Credit Points:	24
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1163
CRICOS Code:	

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 IELTS score of 6.5, with a level of at least 6 in all bands of reading and writing, speaking and listening.

For further information on entry requirements, please consult the Course Coordinator.

Course Requirements

The Graduate Certificate in Health Leadership and Management course is comprised of 24 credit points of subjects, and from 2008 can be taken as a one session full-time enrolment or 1 year part-time.

Course Program

Subjects (by year)		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 who enrol initially in Graduate Certificate in Health Leadership and Management and maintain an average mark of 60 throughout the program will be eligible to progress to the Master of Health Leadership and Management. Candidates for the Masters will then complete a further 24 credit points of subjects based on other graduate certificate programs offered in the Faculty of Health and Behavioural Sciences, the Graduate School of Business, or the Faculty of Informatics.

For more information please contact:

Ms Angela Brown
Health Leadership and Management Coordinator
School of Nursing, Midwifery and Indigenous Health
Ph. +61 (0)2 4221 3339
Email: angelab@uow.edu.au

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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 and Spring
Location:	Wollongong
UOW Course Code:	TBA
CRICOS Code:	N/A

Overview

This course provides a solid introduction to understanding and conducting health-related research. The core subjects provide both 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.

Course Requirements

Students complete a program of 24 credit points.

Course Program

Subjects (by year)		Session	Credit Points
CHIP915	Essential Skills for Health Research	Autumn	6
CHBC918	Critical Appraisal	Autumn	6
GHMB950	Reflective Practice 1	Autumn/ Spring	6
CHBC919	Evaluative Research Methodology	Spring	6

Further Information

Prof Sandra Jones +61 2 4221 4209 or sandra_jones@uow.edu.au

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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:	Flexible
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, with some provision for negotiated tutorial time.

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 Bachelor degree of at least three 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

Students complete a program of 24 credit points.

Course Program

Subjects (by year)		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.

Other Information

Ms Faye McMillan, Postgraduate Indigenous Health Coordinator +61 2 4221 3453 or fayemc@uow.edu.au

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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:	6 months full-time or 1 year part-time
Total Credit Points:	24
Delivery Mode:	Day/Flexible
Starting Session(s):	Autumn / Spring
Location:	Wollongong / Flexible
UOW Course Code:	1124
CRICOS Code:	020202B

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.

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Entry Requirements / Assumed Knowledge

A Bachelor degree in Nursing of at least three 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 level of at least 6.0 in all bands, reading and writing, speaking and listening.

Course Requirements

The candidate is required to undertake 24 credit points to successfully complete the Graduate Certificate in Mental Health Nursing.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases at end of this chapter.

Course Program

Subjects (by year)		Session	Credit Points
Core Subjects			
GHMB989	Mental Health Nursing: Clinical Principles & Practice	Annual	12
GHNB934	Assessment and Diagnosis in Mental Health	Autumn	6
GHMB950	Reflective Practice 1	Autumn/Spring	6

Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au

Dr Janette Curtis, Course Coordinator, +61 2 4221 3467 or jcurtis@uow.edu.au

Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing

Graduate Certificate in Nursing

Testamur Title of Degree:	Graduate Certificate in Nursing
Abbreviation:	GCertNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Day/Evening/Flexible
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1112
CRICOS Code:	N/A

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, reading and writing, speaking and listening.

Course Requirements

The candidate is required to undertake 24 credit points, 12 credit points of which must be Nursing subjects, to successfully complete the Graduate Certificate in Nursing.

Course Program

24 cp from the subjects listed below:

Subjects (by year)	Session	Credit Points

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Nursing

GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB902	Nursing Management	Autumn or Spring	6
GHMB903	Scientific and Quantitative Development in Acute Care Nursing	Autumn or Spring	6
GHMB906	Acute Care Nursing; Reflections on Practice	Autumn or Spring	6
GHMB907	Fundamental Concepts in Developmental Disability	Autumn	6
GHMB908	Applied Behavioural Science for Developmental Disability Practice	Spring	6
GHMB910	Contemporary Issues in Developmental Disability	Spring	6
GHMB923	Legal and Professional Issues	Autumn	6

Public Health

GHMD903	Public Health Communication and Data Skills	Autumn	6
GHMB913	Alcohol and Other Drug Studies	Autumn	6
GHMD904	Epidemiology	Spring	6
GHMD905	Social Foundations of Public Health	Autumn	6
GHMD906	Quality Management for Health Services	Autumn	6
GHMD908	Health Services Planning and Evaluation	Spring	6
GHMD909	Comparative Health Systems	Spring	6
GHMD912	Health Promotion	Autumn	6
GHMD924	Health Information Systems	Autumn	6
GHMD936	Public Health Nutrition	Autumn	6

Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au .

Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing

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:	Day/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

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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 at the end of this chapter.

Course Program

24 cp from the subjects listed below:

Subjects (by year)		Session	Credit Points
Nursing			
GHMB950	Reflective Practice 1	Autumn	6
GHMB902	Nursing Management	Spring	6
GHMB937	Context of General Practice	Autumn	6
GHMB938	Practice Nursing	Annual	6

Other Information

Further information is available from:

Dr Peter Thomas, Postgraduate Coordinator, +61 2 4221 3229 or pgt@uow.edu.au
Ms Yvonne White, Course Coordinator, +61 2 4221 3337 or white@uow.edu.au .

Uniadvice 1300 367 869.

Visit our website: www.uow.edu.au/health/nursing .

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
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	TBA
CRICOS Code:	N/A

Overview

This course provides all the necessary skills to enable students 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.

Entry Requirements / Assumed Knowledge

A Bachelor degree of at least three years duration from a recognised tertiary institution, or equivalent (or experience deemed equivalent).

Course Requirements

Students complete a program of 24 credit points as outlined in the table below.

Course Program

Subjects		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.

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Further Information

Professor Sandra Jones
Course Coordinator
+61 2 4221 4209 or sandraj@uow.edu.au
Uniadvice 1300 367 869
Visit our website: www.uow.edu.au/health/

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:	Face-to-face
Starting Session(s):	Normally Autumn session
Location:	Wollongong
UOW Course Code:	208
CRICOS Code:	027469G

Overview

This program provides students with a comprehensive understanding of the principles governing psychological assessment and therapy, and the clinical skills required to assess and treat clients with a wide variety of clinical conditions in both child and adult populations.

The doctoral program equips postgraduates with clinical and research knowledge, and skills superior to those acquired at the professional Masters level. The doctoral program is principally focused on applied clinical psychology research leading to a doctoral level research thesis.

Entry Requirements / Assumed Knowledge

Candidates must have an honours degree in Psychology of at least four years duration of Class II, Division 1 standard or higher. Applicants must submit two referee's reports, a personal statement, a research proposal and attend 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

Places in this course are limited and will be based on academic merit and personal suitability.

International students are required to have achieved an IELTS score of 7 overall, with at least 7 in all bands, reading and writing, speaking and listening.

Course Requirements

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases at the end of this chapter.

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 or the Illawarra Institute of Mental Health.

Course Program

Subjects (by year)		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
THES916	Research Thesis	Spring	16
GHMC956	Special Groups and Methods	Autumn	8
THES916	Research Thesis	Autumn	16
GHMC955	Health and Wellbeing	Spring	8
THES916	Research Thesis	Spring	16
GHMC920	Psychotherapy of Personality Disorders	Annual	4
GHMC921	Clinical Supervision and Practice	Annual	4
THES916	Research Thesis	Autumn	16

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THES924	Research Thesis	Autumn/Spring	24

Professional Recognition

This program is accredited by the NSW Psychologists Registration Board for registration as a psychologist by the Australian Psychological Society at 5, 6 and 7 year level, and by the APS College of Clinical Psychologists.

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:	Face-to-face
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 membership of the Australian Psychological Society College of Clinical Psychologists.

This program provides a comprehensive understanding of the principles governing psychological assessment and therapy. It equips students with clinical skills required to assess and treat clients with a wide variety of clinical conditions in both child and adult populations. Teaching methods include mandatory face to face classes and clinical practice.

Entry Requirements / Assumed Knowledge

Candidates must have an honours degree or equivalent in Psychology of at least four year's duration, at Class II, Division 1 standard or higher. Applicants must provide two referee's reports, a personal statement, and attend a selection interview.

Places in this course are limited. Entry is competitive and is based on academic merit and personal suitability. The program involves four sessions of full-time study or their part-time equivalent.

International students are required to 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 for equivalence and provide this evidence in their application.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases at the end of this chapter.

Course Program

Subjects (by year)		Session	Credit Points
GHMC951	Child and Adult Assessment and Psychopathology	Autumn	8
GHMC952	Principles of Psychotherapy	Autumn	8
GHMC946	Research Project A	Autumn	8
GHMC953	Neuropsychology and Neuropsychiatric Disorders	Spring	8
GHMC954	Cognitive Behavioural Therapies	Spring	8
GHMC946	Research Project A	Spring	8
GHMC955	Health and Wellbeing	Autumn	8
GHMC947	Research Project B	Autumn	16
GHMC956	Special Groups and Methods	Spring	8
GHMC947	Research Project B	Spring	16

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.

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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:	Face-to-face
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	574G
CRICOS Code:	029430F

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 Bachelor degree with a major in Psychology of at least three years duration from a recognised tertiary institution or equivalent.

International students are required to have achieved an IELTS score of 6.5, with at least 6.0 in reading, writing, speaking and listening.

Course Program

Subjects		Session	Credit Points
GHMC988	Contemporary Issues for Professional and Research Psychologists	Autumn	6
GHMC985	Principles and Practices of Psychological Assessment	Annual	6
GHMC989	Advanced Abnormal Psychology	Spring	6
GHMC979	Major Research Project	Annual	18
Plus two electives chosen from the following:			
GHMC984	Social Psychology and Health	Spring	6
GHMC978	Child and Adolescent Psychology	Autumn	6
GHMD965	Principles and Practices of Psychosocial Rehabilitation	Autumn	6
GHMB934	Assessment and Psychopathology B	Autumn	6
GHMB935	Case Management in Mental Health	Spring	6
GHMD983	Statistics in Health Research	Autumn	6

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:	Face-to-face
Starting Session(s):	Autumn session
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.

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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 (eg. 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.

International students are required to have achieved an IELTS score of 6.5, with at least 6.0 in reading, writing, speaking and listening.

Course Program

Subjects (by year)		Session	Credit Points
GHMC988	Contemporary Issues for Professional and Research Psychologists	Autumn	6
GHMC984	Social Psychology and Health	Spring	6
GHMC985	Principles and Practices of Psychological Assessment	Annual	6
GHMC989	Advanced Abnormal Psychology	Spring	6
GHMC978	Child and Adolescent Psychology	Autumn	6
GHMC979	Major Research Project	Annual	18

Professional Recognition

Our degrees are set up 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.

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:	2 years part-time
Total Credit Points:	32
Delivery Mode:	Face-to-face outside business hours
Starting Session(s):	Autumn session
Location:	Wollongong
UOW Course Code:	1145
CRICOS Code:	N/A

Overview

The Postgraduate Certificate in Professional Psychological Practice is a post-fourth-year course designed to provide students with skills that will facilitate registration as a psychologist with the NSW Psychologists Registration Board. The course consists of a series of group supervision sessions integrated with workshops.

It is important to note that registration with the Board is not automatic on completion of this course.

Entry Requirements / Assumed Knowledge

Eligibility for entry to the Postgraduate Certificate in Professional Psychological Practice is based on the successful completion of a 4th year of study in Psychology recognised by the NSW Psychologists Registration Board (eg an APS accredited 4 year degree) and acceptable performance in an intake interview.

This course is not available to international students.

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Course Requirements

Students can elect to complete one or all of the 4 annual 8 credit point subjects listed below. Successful completion of all subjects (total of 32 credit points) will lead to the award of the Certificate.

Course Program

Subjects (by year)		Session	Credit Points
PSYC966	Professional Practice Group Supervision A	Annual	8
PSYC967	Professional Practice Workshops A	Annual	8
PSYC968	Professional Practice Group Supervision B	Annual	8
PSYC969	Professional Practice Workshops B	Annual	8

Master of Nutrition Management

Testamur Title of Degree:	Master of Nutrition Management
Abbreviation:	MNutrMgmt
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years part-time
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1511
CRICOS Code:	N/A

Overview

The Master of Nutrition Management allows students to critically examine key issues relating to food product development in Australia today, and apply new knowledge and skills to developments within their own work environments.

Entry Requirements / Assumed Knowledge

Applicants must possess an undergraduate degree from a recognised Australian university or institution of equivalent standing, with a grade average of at least 60%; or, applicants must possess an undergraduate degree from a recognised Australian university or institution of equivalent standing, with a grade average between 50% and 59% and must also have completed a minimum of two years full-time relevant work experience (managerial or supervisory in nature and/or which carries a level of responsibility) after graduation.

In special circumstances, applicants who hold other academic or professional qualifications and have a minimum of five years full-time or ten years part-time relevant work experience, may also be granted admission to the program.

International students are required to have achieved an IELTS score of 6.5, with a minimum level of 6.0 in reading writing, speaking and listening.

Course Requirements

The Master of Nutrition Management comprises 4 nutrition and 4 management subjects totalling 48 credit points, over four sessions part-time.

Course Program

Subjects (by year)		Session	Credit Points
SFC901	Contemporary Issues in Food and Nutrition	Spring	6
SFC902	Food Regulation and Policy in Australia	Autumn	6
SFC903	Nutrition Research	Autumn	6
SFC904	Nutrition in Food Innovation	Spring	6
TBS901	Accounting for Managers	Autumn	6
TBS902	Statistics for Decision Making	Autumn/Spring	6
TBS903	Managing People in Organisations	Spring	6
TBS904	Marketing Management*	Modular	6

* Alternate subject for 2008 is MARK922 which is offered in Autumn session.

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Credit Towards Other Courses

Students may apply to undertake another session of work including a project to receive a Master of Science (Nutrition Management) or undertake the remaining requirements of a Master of Business Administration program to achieve this as an additional qualification. Students need to meet the required two years work experience for the Master of Business Administration program, or the academic requirements for entry into the Major Project. Entry to the Major Project also requires the availability of a suitable supervisor.

Master of Science (Nutrition Management)

Testamur Title of Degree:	Master of Science (Nutrition Management)
Abbreviation:	MSc(NutrMgmt)
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years part-time
Total Credit Points:	72
Delivery Mode:	Flexible
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	574P
CRICOS Code:	048497G

Overview

The Master of Science (Nutrition Management) allows students to critically examine key issues relating to food product development in Australia today, and apply new knowledge and skills to developments within their own work environments. In addition, students have the opportunity to conduct a major project to apply these skills in a research context, or further develop Business and/or Science knowledge.

Entry Requirements / Assumed Knowledge

Applicants must possess an undergraduate degree from a recognised Australian university or institution of equivalent standing, with a grade average of at least 70%; or,

Applicants must possess an undergraduate degree from a recognised Australian university or institution of equivalent standing, with a grade average between 60% and 69%, and must also have completed a minimum of two years full-time relevant work experience (managerial or supervisory in nature and/or which carries a level of responsibility) after graduation.

In special circumstances, applicants who hold other academic or professional qualifications and have a minimum of five years full-time or ten years part-time relevant work experience may also be granted admission to the program.

International students are required to have achieved an IELTS score of 6.5, with a minimum level of 6 in reading writing, speaking and listening.

Course Requirements

The Master of Science (Nutrition Management) comprises 72 credit points made up of 4 nutrition and 4 management subjects plus an additional 24 credit points from either a major project (24 credit points) or 4 electives chosen from the Master of Business Administration subjects, or other subjects approved by the Associate Director (Education).

Course Program

Subjects		Session	Credit Points
Year 1			
SFC901	Contemporary Issues in Food and Nutrition	Spring	6
SFC902	Food Regulation and Policy in Australia	Autumn	6
SFC903	Nutrition Research	Autumn	6
SFC904	Nutrition in Food Innovation	Spring	6
TBS901	Accounting for Managers	Autumn	6
TBS902	Statistics for Decision Making	Autumn/Spring	6
TBS903	Managing People in Organisations	Spring	6
TBS904	Marketing Management*	Modular	6
Year 2			
GHMA997	Major Project	Spring	24
or			

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4 electives chosen from the Master of Business Administration subjects or other subjects approved by the Associate Director (Education).

* Alternate subject for 2008 is MARK922 which is offered in Autumn session.

** Requires the availability of a suitable research supervisor

Further Study Options

Students who have completed the requirements of the Master of Science (Nutrition Management) may progress to the Master of Business Administration (MBA) with up to 48 credit points of advanced standing. Students need to meet the required two years work experience for the Master of Business Administration program.

Graduate Certificate in Nutrition Management

Testamur Title of Degree:	Graduate Certificate in Nutrition Management
Abbreviation:	GCertNutrMgmt
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Day
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1132
CRICOS Code:	N/A

Overview

The Graduate Certificate in Nutrition Management allows students to critically examine key issues relating to food product development in Australia today, and apply new knowledge and skills to developments within their own work environments.

Entry Requirements / Assumed Knowledge

It is recommended that applicants possess an undergraduate degree from a recognised Australian university or institution of equivalent standing, with a grade average of at least 60%; or,

Applicants must possess an undergraduate degree from a recognised Australian university or institution of equivalent standing with a grade average between 50% and 59% and must also have completed a minimum of two years full-time relevant work experience (managerial or supervisory in nature and/or which carries a level of responsibility) after graduation.

However, applicants who hold other academic or professional qualifications and have a minimum of five years full-time or ten years part-time relevant work experience may also be granted admission to the program.

International students are required to have achieved an IELTS score of 6.5 with a minimum level of 6 in reading, writing, speaking and listening.

Course Requirements

The Graduate Certificate in Nutrition Management comprises 2 nutrition and 2 management subjects totalling 24 credit points, over two sessions part-time.

Course Program

Subjects (by year)		Session	Credit Points
Two subjects chosen from:			
SFC901	Contemporary Issues in Food and Nutrition	Spring	6
SFC902	Food Regulation and Policy in Australia	Autumn	6
SFC903	Nutrition Research	Autumn	6
SFC904	Nutrition in Food Innovation	Spring	6
Plus a further 12 cp from			
TBS901	Accounting for Managers	Autumn	6
TBS902	Statistics for Decision Making	Autmn/Spring	6
TBS903	Managing People in Organisations	Spring	6
TBS904	Marketing Management*	Modular	6

* Alternate subject in 2007 is MARK922 which is offered in Autumn session.

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Other Information

Criminal Record Checks

As part of the 'whole of government' approach to child protection, the NSW Department of Health requires all students in health related courses to undergo a criminal record check. The criminal record check shall be completed before a student can attend any clinical placement in a Public Health facility.

Students need to give their consent to such a check and will submit a signed consent form through the University. Consent forms are available from universities. Checks are done through the NSW Police Service and coordinated by the Department of Health. At present there is no cost to either the student or University for this service.

When the check is completed, the student will be issued with a Clearance Letter which has to be produced whenever they attend a clinical placement. The Letter must not be photocopied or duplicated in any way. Lost, mislaid or mutilated Clearance Letters are replaced on application from the student with payment of a fee.

If a student receives a positive result from the check, it will not necessarily exclude them from a clinical placement. Each situation will be individually assessed in a confidential consultation between the student and a representative of the Department of health.

An additional requirement came into effect with new child protection legislation enacted in July 2000. The University will provide another form to the student called the Prohibited Employment Declaration. The Declaration must also be completed prior to any clinical placement. The completed and signed declaration is returned to the University and will be held by us. The Health Department does not issue or administer this form.

Infectious Diseases

Students required to complete clinical training in the NSW hospital system will be subject to various guidelines and procedures laid down for health workers by the NSW Department of Health, including guidelines regarding infectious diseases.

In the hospital system, you will be exposed to a large number and variety of individuals, some of whom may have a communicable disease such as tuberculosis, measles, mumps, rubella, diphtheria, poliomyelitis, HIV or Hepatitis B. This may place you at risk of acquiring one of these diseases. In other cases, if you have a communicable disease, you may place your clients at risk.

For your protection, and for the protection of your potential clients, you are recommended to have vaccinations before you begin clinical work. Evidence of your vaccination status may be required by certain clinical placements/agencies before attendance. If your vaccinations are incomplete, opportunities for placement may be limited and your progress in the course could be affected.

Some categories of health care workers – nurses, doctors, dentists, dental technicians, podiatrists and physiotherapists – also have regulated individual responsibility with regard to infection control. You should familiarise yourself with these responsibilities.

Health care workers who are either HIV antibody positive, or Hepatitis B e-antigen or Hepatitis B DNA positive, or Hepatitis C PCR positive, must not perform exposure prone procedures. Expert medical advice should be obtained by infected people on their infectious status and the extent to which this may limit their clinical practice.

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SUBJECT DESCRIPTIONS

CHBC918 Critical Appraisal

Autumn Wollongong Flexible
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
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
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 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, CHIP912
Co-requisites: GHMD930
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
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) strategies for identifying, critically analysing and integrating the relevant research literature; (3) defining and measuring relevant endpoints including educational, psychological, behavioural, health status and community endpoints - special attention is placed on examination of psychometric properties of the measurement instruments/strategies; (4) strengths and limitations of various experimental, quasi-experimental and survey designs; (5) defining the study sample and determining the required sample size; (6) options for assigning participants to groups; (7) identifying and addressing ethical issues, and preparation of an ethics application; and (8) interpreting study findings within the context of the existing knowledge base.

GHMA906 Research Projects

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Spring2008/Autumn2009 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

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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.

GHMA909 Practicum

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual 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 GHMA909 with the approval of the HOD.

GHMA913 Special Topics

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual 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.

GHMA915 Ergonomics In Practice

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces students to the discipline of ergonomics. The subject is designed to provide an overview of ergonomics to provide understanding and basic skills. This subject is particularly useful for OHS practitioners and those interested in further study of ergonomics and human factors. The Discipline of Ergonomics (or human factors) is the scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well-being and overall system performance. Ergonomists contribute to the design and evaluation of tasks, jobs, products, environments and systems in order to make them compatible with the needs, abilities and limitations of people.

GHMA920 Behavioural Change: Human Factors in OH&S

Spring 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.

GHMA922 Occupational Hygiene and Toxicology

Summer 2008/2009 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.

GHMA923 OH&S Risk Management

Summer 2008/2009 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.

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GHMA927 Advanced Workplace Injury Management

Spring Wollongong On Campus
Credit Points: 8
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.

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.

GHMA930 Community and Public Health Nutrition

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: BMS310 OR GHMD936 OR SFC902
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.

GHMA931 Nutrients and Metabolism

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Exclusions: BMS311
Subject Description: This subject covers the need for nutrients and how the human body metabolises these nutrients. It begins with basic concepts such as bioavailability of nutrients from food. It then focuses on specific nutrients including protein and fat quality, folate and B vitamins, antioxidents and soy phytoestrogens, most of which do not have recommended dietary intakes (RDIs). The overall aims are 1) to understand the relationships between intake of nutrients and health status and 2) to develop an appreciation for the development of an RDI for a nutrient. Please note that this is a core subject for all of the University of Wollongong's nutrition degrees and hence it is tailored for nutrition students.

GHMA932 Research in Human Nutrition

Autumn Wollongong On Campus
Annual Wollongong On Campus
Credit Points: 8
Pre-requisites: STAT151 or STAT252, BMS210 and POP222 or satisfactory prior knowledge of statistical methods. Consult academic adviser.
Co-requisites: GHMA930 or GHMA931
Exclusions: BMS312
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.

GHMA933 Communication in Healthcare Practice

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: GHMA934 OR BND434
Exclusions: BND433, GHMA929
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.

GHMA934 Dietetics

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: GHMA931 and GHMA932; or BMS311 and BMS312
Co-requisites: GHMA930 or BMS310
Exclusions: BND434
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.

GHMA935 Food Service and Dietetics Management

Autumn Wollongong On Campus
Credit Points: 8

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Pre-requisites: GHMA930 or BMS310 or GHMA931 or BMS311 or GHMA932 or BMS312
Co-requisites: None
Exclusions: BND435
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.

GHMA937 Practical Studies in Nutrition and Dietetics

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 24
Pre-requisites: GHMA934 and GHMA935; GHMA933 or GHMA929
Co-requisites: None
Exclusions: BND437
Subject Description: This subject comprises a practicum of at least 16-20 weeks duration which is spent in hospitals, community health centres, and other food-related organisations. Students will be under the supervision of experienced practitioners appropriate to the placement requirements. This placement is designed to develop the student's skills and competencies in a range of areas including specialised therapeutic diets and the provision of community nutrition programs. It also provides the students with opportunities to rehearse and demonstrate both interviewing and counselling skills, as well as information and behaviours required to allow the Dietitian to operate as an independent professional. Awareness of, and behaviours consistent with the knowledge of ethics requirements, confidentiality, accountability and other responsibilities of the autonomous professional operating either independently or as a member of a multidisciplinary team should be demonstrated by the student.

GHMA940 Measurement of Hazardous Substances

Winter 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.

GHMA941 Thermal Environment

Spring 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.

GHMA942 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.

GHMA951 Exercise Rehabilitation I: Musculoskeletal

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS203 and BEXS351
Co-requisites: None
Exclusions: BEXS451
Subject Description: This subject extends the study of exercise rehabilitation providing revision related to the structure and function of major joints and introduces common pathologies - mechanisms and outcomes. The subject covers information related to evaluation of the injured site and the design and management of appropriate exercise rehabilitative techniques designed to improve functional capabilities and prevent reinjury. It is essential for students undertaking this subject to have excellent knowledge in Functional Musculoskeletal Anatomy and Exercise Physiology and Prescription. Students without this requisite knowledge will have difficulty completing this subject.

GHMA952 Exercise Rehabilitation II: Cardiorespiratory & Neurological

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BMS344 and BMS346 and BEXS352
Co-requisites: None
Exclusions: BEXS452
Subject Description: This subject investigates the use of exercise as a clinical rehabilitative tool for patients with cardiovascular or neurological pathologies. The subject covers information related to evaluation of

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the pathology and the design and management of appropriate exercise rehabilitative techniques to improve functional capabilities and enhance quality of life.

GHMA997 Major Project

Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: BMS312 or GHMA932 or satisfactory prior knowledge of research methods. Consult academic adviser.
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.

GHMB902 Effective Management in Health

Spring Wollongong Flexible
Autumn 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

Autumn Wollongong Flexible
Spring Wollongong Flexible
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

Autumn Wollongong On Campus
Spring Wollongong On Campus
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

Spring Wollongong Flexible
Autumn Wollongong Flexible
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.

GHMB907 Fundamental Concepts in Developmental Disability

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Provides the basic scientific knowledge on which developmental disability practice is based. Emphasis upon the student gaining sound understanding of the nature of developmental disability within a broad social context. The body of knowledge which defines and identifies the nature of the group and the philosophical, ethical and legal foundations for practice will be addressed in this course.

GHMB908 Applied Behavioural Science for Developmental Disability Practice

Not on offer in 2008
Credit Points: 6
Pre-requisites: GHMB907 Fundamental Concepts in Developmental Disability
Co-requisites: None
Subject Description: Developmental disability practice makes extensive use of such skills and roles as assessment, programming, teaching, behaviour management and supportive counselling. To use these skills effectively, the student requires a knowledge of selected principles drawn from the behavioural sciences. This subject will provide the necessary theoretical framework, together with an emphasis on practical application and problem-solving skills.

GHMB910 Contemporary Issues in Developmental Disability

Not on offer in 2008
Credit Points: 6
Pre-requisites: GHMB907 Fundamental Concepts in Developmental Disability

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Co-requisites: None
Subject Description: It is vitally important that practitioners in the field of developmental disability are willing to critically assess current practice and to objectively consider other service options. There are also a number of controversial issues in relation to the rights and responsibilities of people with developmental disabilities that must be addressed. This course will require independent and thoughtful analysis of such issues and critical assessment of current practice.

GHMB911 Midwifery Practice 1

Autumn Wollongong On Campus
Credit Points: 4
Pre-requisites: GHMB916 (Part-time students)
Co-requisites: GHMB914, GHMB916, GHMB923 (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 Nurses and Midwives Board New South Wales. Midwifery Practice 1 is designed to introduce the student in the provision of care of the woman and her family throughout pregnancy, parturition and the puerperium. Special emphasis is on the well woman, pregnancy, fetus, parturition, puerperium 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 Nurses and Midwives Board New South Wales. As required by the Nurses and Midwives Board New South Wales, students should complete Midwifery Practice 1, 2 & 3 in a time period not exceeding four consecutive academic semesters.

GHMB912 Midwifery Practice 2

Spring Wollongong On Campus
Credit Points: 4
Pre-requisites: GHMB911, GHMB914, GHMB916
Co-requisites: GHMB915
Subject Description: This subject is the second of three subjects that allows the student to acquire the necessary clinical experiences as designated by the Nurses and Midwives Board New South Wales. 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 first clinical rotation.

GHMB913 Midwifery Practice 3

Summer 2008/2009 Wollongong On Campus
Credit Points: 4
Pre-requisites: GHMB912, GHMB915
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 Midwifery Management 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMB916 (Part-time students)
Co-requisites: GHMB911, GHMB916, GHMB923 (Full-time students)
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 for the student to function as a safe beginning midwifery student caring for women throughout the antenatal and intrapartum period. An ability to review literature is an essential component of this subject. Students are expected to facilitate their own learning by utilising the Library Database Workshops and the IT services available at the University. They 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 Midwifery Management 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMB911, GHMB914, GHMB916, GHMB923
Co-requisites: GHMB912, GHMB917
Subject Description: This subject is designed to be taken in conjunction with the clinical subject, GHMB912 Midwifery Practice 2. Midwifery Management 2 is designed for the student to continue to learn and understand the theoretical midwifery framework underpinning midwifery practice. This subject continues the theoretical component relating to intrapartum, maternal, postnatal and neonatal care for the well mother and healthy baby. Potential complications will then be examined. 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 advanced knowledge of anatomy and physiology related to conception, pregnancy and birth. Biochemical, nutritional, and genetic influences on conception and embryonic, fetal, neonatal development and maternal responses will be addressed. Technology used in assessment, diagnosis and intervention at all stages of the reproductive process will be explained in terms of scientific principles. The knowledge gained from this course provides midwives with an important component of a scientific knowledge base from which to plan and provide midwifery practice for their clients.

GHMB917 Midwifery in the Social Context

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

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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. Advocacy for womens choices and development of the midwifery profession is also explored. The implications of the content of this subject is to reiterate the primary health care role of the midwife.

GHMB923 Legal and Professional Issues

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to provide students with a knowledge of legal and professional issues in relation to their area of clinical practice. Relevant Australian legislation, appropriate case law and examples of moral reasoning will be used to provide a framework for clinical decision-making.

GHMB925 Effective Leadership in Health

Not on offer in 2008
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.

GHMB927 An Introduction to Human Anatomy and Physiology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is designed to give the student an understanding of the structure and functioning of the human body. As this is a course designed for non-medical health professionals the major emphasis is on physiology rather than anatomy. All the organ systems of the human body are studied and appropriate links are made with both pathophysiology and human development. The laboratory sessions form an integral part of the course, expanding on and complementing the lectures. They allow time for more in-depth study of structure and illustrate functioning through a series of carefully designed experimental procedures.

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 2008
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,

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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 2008
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
Spring2008/Autumn2009 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.

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
Spring2008/Autumn2009 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

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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.

GHMB950 Reflective Practice 1

Autumn Wollongong On Campus
Spring Wollongong On Campus
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, so as 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, so as to enable participants to identify potential areas for practice development and meaningful research.

GHMB951 Reflective Practice 2

Autumn Wollongong On Campus
Spring Wollongong On Campus
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
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 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
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.

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GHMB957 Rehabilitation: Concepts and Practice

Spring Wollongong Flexible
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.

GHMB989 Mental Health Nursing: Clinical Principles and Practice

Annual Wollongong Flexible
Spring2008/Autumn2009 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

Autumn Wollongong On Campus
Annual 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

Autumn Wollongong On Campus
Annual 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
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, assessing supervisee performance and evaluating supervision programs. The advanced practice unit is designed for participants to understand, examine and critically evaluate professional and nonprofessional management of a chronic psychological disorder. 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

Spring Wollongong On Campus
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.

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GHMC943 Practicum 2A

Spring Wollongong On Campus
Summer 2007/Autumn 2008 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

Spring Wollongong On Campus
Summer 2007/Autumn 2008 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

Spring Wollongong On Campus
Autumn Wollongong On Campus
Summer 2007/Autumn 2008 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.

GHMC947 Research Project B

Spring Wollongong On Campus
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.

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 and psychometric assessment methods relevant to understanding adults and children with psychiatric disorders characterised primarily by depression and anxiety.

GHMC952 Principles of Psychotherapy

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: None
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 psychotic disorders, severe behavioural problems, and cognitive impairments stemming from primary neurological pathology. This will be achieved

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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 assessment will include: the main diagnostic and classificatory systems; principles of psychometric assessment; the application of specific tests; and the development of clinical formulations that can be used in 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
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The subject aims to provide students with additional 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
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 older persons, 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.

GHMC967 Models of the Human Brain and Their Applications

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The biophysics of human brain function is the frame of reference for all subject content. It explores a broad range of approaches, including evolutionary and anatomical models of the brain, models of electrical and metabolic brain function, psychological models of the brain, artificial neural networks and artificial intelligence models, the mind/body problem, psychoanalytic and psychotherapy models, brain imaging technologies, application of brain models to psychology, medicine, artificial neural networks and artificial intelligence, and human-computer interactions.

GHMC978 Child and Adolescent Psychology

Autumn Wollongong On Campus
Autumn 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 On Campus
Annual Wollongong Flexible
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

Spring Wollongong On Campus
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

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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

Annual Wollongong On Campus
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

Spring Wollongong On Campus
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 On Campus
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
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 On Campus
Autumn Wollongong Flexible
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 On Campus
Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The first part of this subject draws together key issues in ethics, research and professional practices in psychology. Ethics theory will be addressed and ethical and legal issues will be explored in research, therapeutic and professional settings. The second part deals with contemporary issues in experimental psychology including, for instance, memory, reading disorders, emotional intelligence, etc.

GHMC989 Advanced Abnormal Psychology

Spring Wollongong On Campus
Spring Wollongong Flexible
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.

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GHMC990 Advanced Clinical Issues A

Spring Wollongong On Campus
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

Autumn Wollongong On Campus
Summer 2007/Autumn 2008 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

Spring Wollongong On Campus
Summer 2007/Autumn 2008 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.

GHMC993 Advanced Training in Personality Disorders A

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. Classification, etiology, clinical features, and treatment models and methods will be addressed through workshops, clinical presentations, supervision and 20 hours of practicum placement. Part A of this series will focus on the basics of working with people with personality disorders, with emphasis on team approach, setting goals, problem solving, and strategies for dealing with crises. The clinical emphasis will be on conducting a skills based approach for enhancing a client's interpersonal effectiveness, emotion regulation, and distress tolerance based on principles of Dialectical Behaviour Therapy.

GHMC994 Advanced Training in Personality Disorders B

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 (PD). Clinical features and treatment models and methods will be addressed through workshops, clinical presentations, supervision and 30 hours of practicum placement. Part B of this series will focus on advanced techniques for dealing with more complex difficulties that can arise within treatment. Emphasis will be on developing skills to deal with therapeutic stalemates, comorbid psychopathology, self-harm behaviours, hospitalisations, adolescent clients and termination issues. Consideration will be given to dealing with therapist responses to working with people with PD and building effective supervision and case management teams.

GHMC995 Advanced Training - Clinical Supervision A

Spring Wollongong On Campus
Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers theories and models of clinical supervision, discusses rationale and procedures for setting up programs for clinical supervision, and analyses theoretical and practical issues surrounding the various components including objectives, methods, assessment and evaluation of clinical supervision. Ethical issues and common difficulties arising within supervision are also addressed. The trainee will be required to record videos of therapy sessions, provide supervisory comments on taped therapy sessions, and formulate supervision plans for psychologists in training. In addition to lectures and seminars, skills training methods including demonstration, video tapes and role play are used.

GHMC996 Advanced Training - Clinical Supervision B

Spring Wollongong On Campus
Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on the supervised practice of clinical supervision. The student will be required to formulate supervision plans and supervise trainee psychologists, so an investment of 40-60 hours in supervision work should be expected. The trainee supervisor will also receive supervision during this period. The subject will also cover a critical analysis of theoretical and practical issues surrounding the various components, including objectives, methods, assessment and evaluation of clinical supervision. In addition to lectures and seminars, skills training methods including demonstration, video tape feedback, and role play are used.

GHMD903 Public Health Communication and Data Skills

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6

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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.

GHMD904 Epidemiology

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: GHMD983 - Statistics in Health Research. Students who have already completed GHMD983 should apply for a waiver of the co-requisite.
Exclusions: Not to count for credit with POP204
Subject Description: This subject addresses principles and methods of epidemiological investigation including analytic and experimental epidemiology. Topics to be covered are: measurement in epidemiology, screening, design of ecological studies, surveys, case control and cohort studies, clinical trial design, analysis of studies, critical appraisal of the literature, biological inference and causality. These methodological issues will be applied to a wide range of content areas such as occupation, cancer, health services and infectious diseases.

GHMD905 Social Foundations of Public Health

Autumn Wollongong On Campus
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Introduces students to theories and concepts from the social sciences necessary for the understanding and analysis of public health issues. Examines socio-economic and environmental influences on health, and health inequalities. Explores development, gender, citizenship, culture and human rights. Critiques the concepts of community and social capital.

GHMD906 Quality Management For Health Services

Autumn Wollongong On Campus
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Develops knowledge and skills in the application of contemporary quality management theories and concepts. Examines the forces driving change in the organisation and management of health care organisations and the implications for health care managers. Traditional approaches are contrasted with contemporary approaches. Quality management is considered an essential component of good management practice.

GHMD907 Independent Study in Public Health

Autumn Wollongong On Campus
Autumn Wollongong Distance
Spring Wollongong Distance
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 public health with the assistance of a supervisor. All students will critically analyse the relevant literature and then either write a journal article or, for those undertaking research degrees, a research proposal. In some cases other formats, such as a report to a health organisation or community group, will be allowed for the final assignment with the permission of the supervisor.

GHMD908 Health Services Planning and Evaluation

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers the theory and practice of health planning. Topics include: Health needs assessment, planning approaches, strategy analysis and formulation, setting goals and objectives, performance measurement and evaluation. Students will develop skills in service planning for population/public health programs and institutional services.

GHMD909 Comparative Health Systems: Policies and Politics

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines how ideologies and political processes influence health policy development and health service delivery. The impact of broad socio-economic forces on health status and health policy development are emphasised. The subject is designed to assist individuals to develop analytical and strategic skills.

GHMD912 Health Promotion

Autumn Wollongong On Campus
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with POP202
Subject Description: 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.

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Theoretical perspectives of behaviour change and public policy, as they are applied within the field of health promotion, will be critically reviewed.

GHMD913 Alcohol and other drug studies

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

GHMD924 Health Information Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will introduce information systems in health and health informatics to students. Topics will include: clinical systems development, systems management, electronic health record, clinical decision support, classification and coding, privacy and confidentiality and IT risk assessment. Current and future computer applications in health (e.g. PAS, order management, tele health) will be discussed.

GHMD925 Aboriginal Health Issues

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with POP325
Subject Description: Examines the health status of Aboriginal Australians from a historical perspective, using relevant insights from the experiences of other indigenous populations. Explores the causes of Aboriginal health problems, the political and economic context of health, the role of culture, and access to health services. Critiques current strategies to improve health.

GHMD928 Introduction to Infectious Disease - HIV/AIDS & Hepatitis

Spring Sydney On Campus
Autumn Sydney On Campus
Credit Points: 6
Pre-requisites: Enrolment in Graduate Certificate in HIV/AIDS or graduate Public Health programs
Co-requisites: None
Subject Description: The subject provides an overview of two key infectious diseases - HIV/AIDS and Hepatitis. The materials cover three common issues of pathophysiology and epidemiology of disease, prevention of transmission and service provision. Students undertake study within 2 short courses provided by the Albion Street Clinic, together with set assessment tasks. Module A: Introduction to HIV/AIDS provides an overview of current HIV/AIDS information for health professionals working in a clinical setting. Module B: Hepatitis for Health Care Workers provides an overview of current information on hepatitis A, hepatitis B and hepatitis C (HAV, HBV and HCV).

GHMD930 Mass Media and Population Health

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This unit examines the effects of media on population health - from the negative impact of advertisements for cigarettes, alcohol and junk food to the (hopefully) positive impact of public health campaigns. The subject covers commercial and social advertising, program and editorial content, media advocacy, and social marketing; and presents case studies of current media coverage and advertising campaigns to demonstrate the effects of media on health and social behaviour. Students will develop skills in media analysis, the development of communication campaigns, and dealing with the media.

GHMD936 Public Health Nutrition

Autumn Wollongong On Campus
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to count for credit with GHMA930 or BMS310 or SFC902
Subject Description: This subject will introduce the student to the food and nutrition system in Australia. Key areas of public health nutrition discussed include food and nutrition surveillance, food policy, programme planning and nutrition promotion. Subject involves on-line student discussions.

GHMD981 Reproductive Health Care in developing countries

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students will examine social, cultural and behavioural factors that impact on women and children in developing countries. They will assess evidence based practices that prevent and address conditions leading to Maternal and Neonatal mortality and morbidity including sexual health. Epidemiology of and prevention of sexually transmitted illness (STI) including HIV/AIDS in women and children and issues related to mother to child HIV transmission will be discussed. Integrating of service provision for Reproductive Health programs in resource poor settings will be covered.

GHMD983 Statistics in Health Research

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
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

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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.

GHMD984 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 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.

GHMD985 Public Health Investigation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMD904 Epidemiology
Co-requisites: None
Subject Description: The subject consists of a self directed computer based case study to be conducted in teams of 2 students. The case study concerns an environmental contamination and the methods to investigate the situation and its health effects. The students are placed in the situation of a public health official with a limited financial budget and many options for research. Primary investigation, risk evaluation, potential study designs and actual study analysis will be covered. Presenting the results to a critical audience will be simulated in class presentations.

GHMD986 Environmental Health

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers various case studies in environmental health such as air pollution, soil contamination, climate change, water availability and contamination, waste problems and urbanisation. The lectures present the theories and internationally relevant cases. The students will present their own case studies in class and critique another in writing.

GHMD995 Minor Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: 24 cp at graduate level
Co-requisites: None
Subject Description: The aim of this subject is to allow students to 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 brief project proposal, and either a final report, or a journal article and separate literature review. In some cases other formats, such as a report to a health organisation or community group, may be substitituted for the journal article with the permission of the supervisor. Approval from the University Human Research Ethics Committee will be required if the project involves human participants.

GHMD997 Major Project

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: GHMD984 Health Research Methodology
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. 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.

PSYC966 Professional Practice Group Supervision A

Annual Wollongong On Campus
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

Annual Wollongong On Campus
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

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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

Annual Wollongong On Campus
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

Annual Wollongong On Campus
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.

SFC 901 Contemporary Issues in Food and Nutrition

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: As per course entry requirements
Co-requisites: As per course entry requirements
Subject Description: This subject introduces students to ideas on the causes, nature, and effect of a number of current food and nutrition issues. This includes but will be not limited to, the alteration of nutrient composition in the development of foods to meet specific needs and the food regulatory environment including consideration of labelling requirements that must be addessed. Examples will be drawn from Australia and overseas. Students will critically discuss the role of influential factors, including interaction of biological, lifestyle and sociocultural aspects of human behaviour; changes in the nature of the food system; role of government and professional groups; and consumer interests.

SFC 902 Food Regulation and Policy in Australia

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: As per course entry requirements
Co-requisites: As per course entry requirements
Subject Description: This subject describes and analyses aspects of the Australian food regulatory system and its relationship with the production and promotion of foods. Issues are discussed within 3 modules: food regulatory system and the legal framework; food policy: development, organisational structures and analysis; and food and nutrition system - examples of food regulation and policy issues.

SFC 903 Nutrition Research

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject provides an overview of the processes in nutrition research, including literature reviews, key methodologies and the development of research proposals. Each of these learning domains are linked to case studies of substantive research undertaken through the Smart Foods Centre. In this way the relevance of research to industry is displayed and students are exposed to research principles in the context of opportunities for collaborative research in a range of disciplines associated with the Smart Foods Centre network.

SFC 904 Nutrition and Food Innovation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject introduces students to the use of technologies which underpin the development of the contemporary Australian food supply. These include but are not limited to genetic modification and its applications in food production, the impact of feeding programs on livestock, issues concerning trends to home replacement or ready to eat meals, use of risk assessment frameworks and an overall critique of biotechnology in food production.

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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

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 Engineering Studies (Double major)
Master of Internet Technology
Graduate Diploma in Internet Technology

School of Information Systems and Technology

Doctor of Philosophy
Master of Health Informatics
Master of Health Leadership and Management
Master of Industry-based Information Technology
Master of Information and Communication Technology
Master of Information and Communication Technology – Research
Master of Information and Communication Technology Advanced
Master of Information Systems
Master of Information Systems - Research
Master of Information Systems Advanced
Master of Information Technology Management
Graduate Certificate in Health Informatics
Graduate Certificate in Industry-based Information Technology
Graduate Certificate in Information and Communication Technology
Graduate Certificate in Information Systems
Graduate Diploma in Information Systems and Technology

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
Graduate Diploma in Statistics

For tuition fee information please see the following:

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

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School of Computer Science and Software Engineering

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) 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

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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 (3 full-time sessions) 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 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 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.

Advanced Standing

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.

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Master of Computer Science Advanced

Testamur Title of Degree:	Master of Computer Science Advanced
Abbreviation:	MCompScAdv
Home Faculty:	Informatics
Duration:	1.5-2 years (3-4 full-time sessions) or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1562
CRICOS Code:	056216K

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 either a single or a double 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. Knowledge of C++ and UNIX is assumed.

Course Requirements

The degree requires satisfactory completion of 900 level subjects to the value of at least 72 credit points, including:

(a) At least three (3) subjects (18 cp) chosen from a major subject list;

(b) At least three (3) subjects (18 cp) chosen from another major subject list;

(c) satisfactory completion of CSCI940 Research Methodology (6 cp) and CSCI991 Project (12 cp)

(d) Up to three (3) subjects (18cp) from the CSCI Graduate Subject List

Note:

i) a maximum of two (2) subjects (12 cp) may be at 900-level from the following subject prefixes ISIT, MATH, STAT, ECTE or TBS. These subject prefixes may be substituted for subjects in the CSCI Graduate Subject List in rule (d) above. (Note that quotas may apply to TBS subjects offered at the Sydney Business School.)

These subjects must be approved by the Head of School prior to commencing the subject/s.

ii) Any other 900-level subjects must be approved by the Head of School prior to commencing the subject.

Areas of Major Study

Candidates enrolled in this degree may choose to major in:

Computer and Network Security (MC03)

Intelligent Systems (ISYS)

Multimedia Information Processing (MMIP)

Software Engineering (MC02)

Students may combine any of the above majors as a double major. A major in ICT Management (ICTM) is also available as a second major combined with one of the above majors.

Requirements for majors

Multimedia Information Processing Subject list:

Subjects		Session	Credit Points
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

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CSCI927	Service-Oriented Software Engineering	Spring	6cp

Computer and Network Security Subject list:

CSCI966	Coding for Secure Communication	Autumn	6cp
CSCI968	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

ICT Management

The ICT Management major can only be taken as a second major in conjunction with Multimedia Information Processing or Software Engineering or Computer and Network Security or Intelligent Systems.

Candidates wishing to complete this major must complete 18cp from majors listed above, and 18cp from ICT major subject list. Completion of these subjects will satisfy course rule a) and b) above.

To complete a major in ICT Management, students must complete 18cp from the list of subjects below:

ICT Management Subject list:

Subjects		Session	Credit Points
ISIT900	Fundamentals of Contemporary Technologies	Autumn/ Spring	6cp
ISIT905	Technology Management and Information	Autumn	6cp
ISIT916	Organisational Issues in Information Technology	n/o in 2008	6cp
ISIT908	Information Technology Governance	Spring	6cp
ISIT910	IT-enabled Supply Chain Management	Spring	6cp
ISIT917	Business Intelligence and Knowledge Management	Autumn	6cp
ISIT937	Information Technology Security and Risk Management	Autumn	6cp
ISIT946	Project and Change Management	Spring	6cp

Professional Recognition

The Master of Computer Science Advanced is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

CSCI Graduate Subjects List

Subjects		Session	Credit Points
CSCI910	Formal Methods in Software Engineering	Autumn	6
CSCI924	Reasoning and Learning	Spring	6
CSCI926	Software Testing and Analysis	Autumn	6
CSCI927	Service-Oriented Software Engineering	Spring	6
CSCI928	Software Engineering Requirements and Specifications	Spring	6
CSCI935	Computer Vision	Spring	6
CSCI936	Visualisation	Autumn	6
CSCI944	Perception and Planning	Spring	6
CSCI946	Multimedia Studies	Autumn	6
CSCI964	Computational Intelligence	Autumn	6
CSCI966	Coding for Secure Communication	Autumn	6
CSCI967	Complexity Theory	n/o 2008	6
CSCI968	Network Security	Spring	6
CSCI971	Computer Security	Spring	6
CSCI991	Project	Annual	12
ECTE903	Image and Video Processing	Spring	6
INFO911	Data Mining and Knowledge Discovery	Spring	6
INFO912	Mathematics for Cryptography	Autumn	6

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INFO913	Information Theory	Spring	6
INFO933	Pattern Recognition	Autumn	6
CSCI940	Research Methodology	Autumn/Spring	6
CSCI941	Advanced Topics in Computer Science A	Autumn/Spring	6
CSCI942	Advanced Topics in Computer Science B	Autumn/Spring	6
CSCI943	Advanced Topics in Computer Science C	Autumn/Spring	6
CSCI981	Preliminary Topics in Computer Science B	Autumn/Spring	6
CSCI982	Preliminary Topics in Computer Science C	Autumn/Spring	6
CSCI983	Preliminary Topics in Computer Science D	Autumn/Spring	6

Master of Computer Science

Testamur Title of Degree:	Master of Computer Science
Abbreviation:	MCompSc
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	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. Knowledge of C++ and UNIX is assumed.

Course Requirements

The degree requires satisfactory completion of 900 level subjects to the value of at least 48 credit points including:

(a) At least three (3) subjects (18 cp) chosen from one major subject list;

(b) At least one (1) subject (6 cp) from the subject list of another major;

(c) Up to four (4) subjects (24 cp) from the CSCI Graduate Subject List.

Note:

i) a maximum of two (2) subjects (12 cp) may be at 900-level from the following subject prefixes ISIT, MATH, STAT, ECTE or TBS. These subject prefixes may be substituted for subjects in the CSCI Graduate Subject List in rule (d) above. (Note that quotas may apply to TBS subjects offered at the Sydney Business School.)

These subjects must be approved by the Head of School prior to commencing the subject/s.

ii) Any other 900-level subjects must be approved by the Head of School prior to commencing the subject.

Areas of Major Study

Students enrolled in this degree may choose to major in:

Computer and Network Security (MC03)

Intelligent Systems (ISYS)

Multimedia Information Processing (MMIP)

Software Engineering (MC02)

Requirements for majors

Subjects	Session	Credit Points
Multimedia Information Processing Subject list:		

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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	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:	1.5-2 years (3-4 full-time sessions) or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1510
CRICOS Code:	034148K

Overview

This course has been specifically designed to allow students with a Bachelor degree outside the computing field to gain a Master level qualification in the area.

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 12 subjects, including:

1. Eight (8) Core Subjects;
2. No more than two (2) subjects selected from Elective Subjects List A; and
3. At least two (2) subjects selected from the Elective Subjects List B.

Course Program

Subjects		Session	Credit Points
Core Subjects			
MCS9102	Information Systems	Autumn	6
MCS9103	Algorithms & Problem Solving	Autumn/Spring	6
MCS9114	Procedural Programming	Autumn/Spring	6
MCS9124	Applied Programming	Autumn/Spring	6

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MCS9201	Information Technology & Citizen's Rights	Autumn	6
MCS9203	Algorithms & Data Structures	Autumn	6
MCS9204	Object Programming and Frameworks	Spring	6
MCS9212	Interacting Systems	Autumn	6

Elective Subjects List A

Plus no more than 2 subjects from:

MCS9205	Development Methods & Tools	Spring	6
MCS9206	Markup Languages	Autumn	6
MCS9213	Java Programming & Object Oriented Design	Spring	6
MCS9319	Distributed Systems	Autumn	6
MCS9235	Database Systems	Spring	6

Elective Subjects List B

Plus at least 2 subjects from:

MCS9301	Information & Communication Security Issues	Spring	6
MCS9303	The Wired World	Spring	6
MCS9315	Database Design & Implementation	Autumn	6
MCS9317	Database Performance Tuning	Spring	6
MCS9318	Software Engineering Practices & Principles	Spring	6
MCS9322	Systems Administration	Spring	6
MCS9323	Artificial Intelligence	Spring	6
MCS9324	Human Computer Interface	Autumn	6
MCS9334	Real Time Programming	n/0 2008	6
MCS9337	Organisation of Programming Languages	Spring	6
MCS9361	Computer Security	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".

School of Electrical, Computer and Telecommunications Engineering

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	48cp 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 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.

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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

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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:	MEng - Res
Home Faculty:	Informatics
Duration:	1.5 years (3 full-time sessions) or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Supervised individual research and face-to-face classes
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1303
CRICOS Code:	042557D

Overview

The aims of this program are 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.

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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 or telecommunications engineering, or a related area. If a candidate has a good academic record, entry from a Pass Bachelor degree in computer, electrical, telecommunications engineering, or a related area, is possible.

Advanced Standing

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 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.

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 Electrical Engineering Program, including the specialist mechatronics subjects within the Master of Engineering Studies.

Master of Engineering Studies

Testamur Title of Degree:	Master of Engineering Studies (name of major)
Majors available	Computer Engineering, Electrical Engineering, Telecommunications Engineering
Abbreviation:	MEngStud
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	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 an Australian four-year Bachelor of Engineering in Computer, Electrical, Electronics or Telecommunications Engineering.

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Course Requirements

The Master of Engineering Studies program provides the opportunity for students to undertake a major in Computer Engineering, Electrical Engineering or Telecommunications Engineering. The major would be recorded on the testamur. Students must complete 48 credit points, consisting of the common core (12 credit points), one major (24 credit points) and two electives (12 credit points).

ECTE953 Advanced Project (12 credit points and topic must be in area of the major being undertaken) is optional. Entry to this subject is restricted to those students who gain a weighted average mark of at least 72.5% for the full-time first session load or equivalent (i.e. four six credit point subjects, including ECTE906 Advanced Signals and Systems, ECTE955 Advanced Laboratory plus two six credit point subjects from the major). The course program is set out below

Course Program

Subjects		Session	Credit Points

Note: Only a limited number of subjects will be offered in any one year.

CORE

ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE955	Advanced Laboratory	Autumn/Spring	6

Computer Engineering Major

Students must select four subjects from the following list:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE903	Image and Video Processing	Spring	6
ECTE904	Adaptive Signal Processing	n/o 2008	6
ECTE905	Speech and Audio Processing	n/o 2008	6
ECTE931	Real-Time Computing	Autumn	6
ECTE932	Computer Systems	Spring	6
ECTE933	Embedded Systems	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE953	Advanced Project	Autumn/Spring	12
ECTE970	Advanced Topics in Engineering	Autumn/Spring	6
ECTE997	Web Technology and Applications	Spring	6

Electrical Engineering Major

Students must select four subjects from the following list:

ECTE902	Stochastic Signal Processing	n/o 2008	6
ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE943	Digital Control	n/o 2008	6
ECTE953	Advanced Project	Autumn/Spring	12
ECTE965	Wireless Communication Systems	Spring	6
ECTE970	Advanced Topics in Engineering	Autumn/Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6

Telecommunications Engineering Major

Students must select four subjects from the following list:

CSCI968	Network Security	Spring	6
ECTE901	Multimedia Signal Processing	Autumn	6
ECTE902	Stochastic Signal Processing	n/o 2008	6
ECTE953	Advanced Project	Autumn/Spring	12

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ECTE962	Telecommunications System Modelling	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE968	Error Control Coding	n/o 2008	6
ECTE970	Advanced Topics in Engineering	Autumn/Spring	6
ECTE981	Internet Protocols	n/o 2008	6
ECTE982	Network Engineering	Autumn	6
ECTE986	Telecommunications Network Management	n/o 2008	6

Electives

Students must select two subjects from the following list:

CSCI968	Network Security	Spring	6
ECTE901	Multimedia Signal Processing	Autumn	6
ECTE902	Stochastic Signal Processing	n/o 2008	6
ECTE903	Image and Video Processing	Spring	6
ECTE904	Adaptive Signal Processing	n/o 2008	6
ECTE905	Speech and Audio Processing	n/o 2008	6
ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE931	Real-Time Computing	Autumn	6
ECTE932	Computer Systems	Spring	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE943	Digital Control	n/o 2008	6
ECTE962	Telecommunications System Modelling	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE968	Error Control Coding	n/o 2008	6
ECTE971	Robotics and Flexible Automation	Spring	6
ECTE981	Internet Protocols	n/o 2008	6
ECTE982	Network Engineering	Autumn	6
ECTE986	Telecommunications Network Management	n/o 2008	6
ENGG951	Engineering Project Management	Autumn/Spring	6

Other Information

Students who have satisfactorily completed ECTE953 Advanced Project and who gain a weighted average mark of 67.5% or higher in the Master of Engineering Studies are eligible to apply for entry to the Master of Engineering – Research, subject to supervisor availability.

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Master of Engineering Studies (Double Major)

Testamur Title of Degree:	Master of Engineering Studies (name of majors)
Majors Available:	Computer Engineering and Electrical Engineering Computer Engineering and Telecommunications Engineering Electrical Engineering and Telecommunications Engineering Computer Engineering and ICT Management Electrical Engineering and ICT Management Telecommunications Engineering and ICT Management
Abbreviation:	MEngStud
Home Faculty:	Informatics
Duration:	1.5 year (3 full-time sessions) or 2 years (4 full-time sessions) or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1587
CRICOS Code:	058976J

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 an Australian four-year Bachelor of Engineering in Computer, Electrical, Electronics or Telecommunications Engineering.

Course Requirements

The Master of Engineering Studies (Double Major) program provides the opportunity for students to undertake a double major in Computer Engineering-Electrical Engineering, Computer Engineering-Telecommunications Engineering or Electrical Engineering-Telecommunications Engineering. Both majors would be recorded on the testamur. Students must complete 72 credit points, consisting of the common core (12 credit points), two majors (48 credit points) and two electives (12 credit points). There is an option for a second major to be taken in conjunction with Electrical or Telecommunications or Computer Engineering, in ICT Management.

Subjects which are duplicated across the majors cannot be counted in both majors. For example, where one subject is listed in both the Computer Engineering and the Electrical Engineering Majors, it can only be counted in one of these majors for students doing the Computer Engineering-Electrical Engineering double major.

ECTE953 Advanced Project (12 credit points and topic must be in the area of one of the majors being undertaken) is optional. Entry to this subject is restricted to those students who gain a weighted average mark of at least 72.5% for the full-time first session load or equivalent (i.e. four six credit point subjects, including ECTE906 Advanced Signals and Systems, ECTE955 Advanced Laboratory plus two six credit point subjects from the major). ECTE953 Advanced Project can only be taken in one of the majors being undertaken, i.e. one major could consist of ECTE953 Advanced Project and two six credit point subjects selected from that major list and the second major must consist of four six credit point subjects selected from the list of subjects under that major. The course program is set out below.

Course Program

Subjects		Session	Credit Points
Note: Only a limited number of subjects will be offered in any one year.			
CORE			
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE955	Advanced Laboratory	Autumn/Spring	6
Computer Engineering Major			
Students must select four subjects from the following list:			
ECTE901	Multimedia Signal Processing	Autumn	6
ECTE903	Image and Video Processing	Spring	6
ECTE904	Adaptive Signal Processing	n/o 2008	6

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ECTE905	Speech and Audio Processing	n/o 2008	6
ECTE931	Real-Time Computing	Autumn	6
ECTE932	Computer Systems	Spring	6
ECTE933	Embedded Systems	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE953	Advanced Project	Autumn/Spring	12
ECTE970	Advanced Topics in Engineering	Autumn/Spring	6
ECTE997	Web Technology and Applications	Spring	6

Electrical Engineering Major

Students must select four subjects from the following list:

ECTE902	Stochastic Signal Processing	n/o 2008	6
ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE943	Digital Control	n/o 2008	6
ECTE953	Advanced Project	Autumn/Spring	12
ECTE965	Wireless Communication Systems	Spring	6
ECTE970	Advanced Topics in Engineering	Autumn/Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6

Telecommunications Engineering Major

Students must select four subjects from the following list:

CSCI968	Network Security	Spring	6
ECTE901	Multimedia Signal Processing	Autumn	6
ECTE902	Stochastic Signal Processing	n/o 2008	6
ECTE953	Advanced Project	Autumn/Spring	12
ECTE962	Telecommunications System Modelling	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE968	Error Control Coding	n/o 2008	6
ECTE970	Advanced Topics in Engineering	Autumn/Spring	6
ECTE981	Internet Protocols	n/o 2008	6
ECTE982	Network Engineering	Autumn	6
ECTE986	Telecommunications Network Management	n/o 2008	6

ICT Management Major

To be eligible for the second major in ICT Management students must complete four subjects from the list below:

ISIT900	Fundamentals of Contemporary Technologies	Autumn/ Spring	6cp
ISIT946	Project and Change Management	Spring	6cp
ISIT910	IT-enabled Supply Chain Management	Spring	6cp
ISIT937	Information Technology Security and Risk Management	Autumn	6cp
ISIT905	Technology Management and Information	Autumn	6cp
ISIT916	Organisational Issues in Information Technology	n/o in 2008	6cp
ISIT908	Information Technology Governance	Spring	6cp
ISIT917	Business Intelligence and Knowledge Management	Autumn	6cp

Electives

Students must select two subjects from the following list:

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CSCI968	Network Security	Spring	6
ECTE901	Multimedia Signal Processing	Autumn	6
ECTE902	Stochastic Signal Processing	n/o 2008	6
ECTE903	Image and Video Processing	Spring	6
ECTE904	Adaptive Signal Processing	n/o 2008	6
ECTE905	Speech and Audio Processing	n/o 2008	6
ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE931	Real-Time Computing	Autumn	6
ECTE932	Computer Systems	Spring	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE943	Digital Control	n/o 2008	6
ECTE962	Telecommunications System Modelling	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE968	Error Control Coding	n/o 2008	6
ECTE971	Robotics and Flexible Automation	Spring	6
ECTE981	Internet Protocols	n/o 2008	6
ECTE982	Network Engineering	Autumn	6
ECTE986	Telecommunications Network Management	n/o 2008	6
ENGG951	Engineering Project Management	Autumn/Spring	6

Other Information

Students who have satisfactorily completed ECTE953 Advanced Project and who gain a weighted average mark of 67.5% or higher in the Master of Engineering Studies (Double Major) are eligible to apply for entry to the Master of Engineering – Research, subject to supervisor availability.

Master of Internet Technology

Testamur Title of Degree:	Master of Internet Technology
Abbreviation:	MIT
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1513
CRICOS Code:	036463E

Overview

This program is designed to provide students with advanced knowledge and specialist skills in a broad range of Internet technologies and systems.

The MIT degree is designed to enable a wide range of entry. It is suitable for candidates who wish to:

- update their existing technical qualifications;
- gain a qualification to complement their significant experience in related fields; or
- obtain a fundamental understanding of IT and how it affects their area of expertise.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three or four-year Australian Bachelor degree completed within the last five years, with at least a 60% average, in Telecommunications, Computer or Electrical Engineering, Computer Science, Information Technology or related field; or a Graduate Diploma in Internet Technology.

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Applicants with other degrees containing relevant computing content and/or who have at least two years Internet/computing work-related experience may be considered, or may be eligible for entry to the Graduate Diploma in Internet Technology.

Course Requirements

The degree will normally occupy two sessions of full-time study, or part-time equivalent, and requires the satisfactory completion of Option A or B, as outlined in the following course program.

Course Program

Subjects		Session	Credit Points
Option A			
ECTE992	Internet Networking Protocols	Autumn/Spring	6
ECTE956	Internet Technology Laboratory*	Autumn/Spring	6
Plus six subjects** from the following, of which three must be ECTE subjects:			
BUSS907	Fundamentals of e-Business	Autumn/Spring	
CSCI968	Network Security	Spring	6
ECTE901	Multimedia Signal Processing	Autumn	6
ECTE903	Image and Video Processing	Spring	6
ECTE905	Speech and Audio Processing	n/o 2008	6
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE962	Telecommunications System Modelling	Spring	6
ECTE982	Network Engineering	Autumn	6
ECTE993	Wireline and Optical Communications	Spring	6
ECTE994	Wireless and Mobile Communication Systems	Autumn	6
ECTE995	Content Servers and Caching Technologies	Autumn/Spring	6
ECTE996	Multimedia Communications	Spring	6
ECTE997	Web Technology and Applications	Autumn/Spring	6
ISIT918	Corporate Network Management	Autumn/Spring	6
ISIT937	Security, Risk Management and Control in Electronic Commerce	Autumn/Spring	6
Option B			
ECTE992	Internet Networking Protocols	Autumn/Spring	6
ECTE956	Internet Technology Laboratory*	Autumn/Spring	6
ECTE957	Advanced Internet Project***	Autumn/Spring	12
Plus four subjects** from the following, of which one must be an ECTE subject:			
BUSS907	Fundamentals of e-Business	Autumn/Spring	
CSCI968	Network Security	Spring	6
ECTE901	Multimedia Signal Processing	Autumn	6
ECTE903	Image and Video Processing	Spring	6
ECTE905	Speech and Audio Processing	n/o 2008	6
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE962	Telecommunications System Modelling	Spring	6
ECTE982	Network Engineering	Autumn	6
ECTE993	Wireline and Optical Communications	Spring	6
ECTE994	Wireless and Mobile Communication Systems	Autumn	6
ECTE995	Content Servers and Caching Technologies	Autumn/Spring	6
ECTE996	Multimedia Communications	Spring	6
ECTE997	Web Technology and Applications	Spring	6
ISIT918	Corporate Network Management	Spring	6
ISIT937	Security, Risk Management and Control in Electronic Commerce	Autumn	6

* ECTE956 Internet Technology Laboratory must be undertaken in the first session of a student's enrolment.

**Only a limited number of subjects will be available in any one session.

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***Entry to this subject is restricted to those students who gain a weighted average mark of 72.5% for the full-time first session load (i.e. four six credit point subjects, including ECTE956 Internet Technology Laboratory and ECTE991 Internet Fundamentals).

Other Information

Students who have satisfactorily completed ECTE957 Advanced Internet Project and who gain a weighted average mark of 72.5% or higher in the Master of Internet Technology are eligible to apply for entry to the Master of Engineering – Research, subject to supervisor availability.

Graduate Diploma in Internet Technology

Testamur Title of Degree:	Graduate Diploma in Internet Technology
Abbreviation:	GDipIT
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	675
CRICOS Code:	047175M

Overview

The objective of this program is to provide state of the art knowledge and specialist skills on a broad range of Internet technologies and systems. It is suitable for candidates who have existing but limited ICT technical qualifications or who have significant experience in related fields, but wish to significantly upgrade their knowledge and understanding in this field. The Graduate Diploma in Internet Technology also provides a pathway to the Master of Internet Technology (MIT) degree.

Entry Requirements / Assumed Knowledge

A three-year tertiary qualification with at least a 60% average, which must include the equivalent of first year mathematics.

Applicants without first-year mathematics, but who have at least two years of Internet/computer related work experience may be considered.

Course Requirements

The Graduate Diploma in Internet Technology requires the satisfactory completion of a recommended program of study approved by the Head of School, consisting of 48 credit points of coursework subjects.

Students will have the opportunity to gain general and specialist skills in diverse areas of Internet technologies and their applications, including:

- Programming and programming languages such as Java,
- Database systems,
- System level engineering principles and design,
- Electronics and communications, and
- Embedded Internet systems.

State of the art practical exposure to Internet technologies will be provided through advanced laboratory experiments and communication and group work skills.

On enrolment, each student will be considered individually and provided with details of subjects recommended to suit their specific background.

Other Information

Students who satisfactorily complete the Graduate Diploma in Internet Technology are eligible to apply for entry to the Master of Internet Technology.

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School of Information Systems and Technology

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) 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

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Master of Health Informatics

Testamur Title of Degree:	Master of Health Informatics
Abbreviation:	MHealthInfo
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	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 the Research Report (12cp).

Course Program

Subjects		Session	Credit Points
Core Subjects			
ISIT917	Information 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:			
GHMD909	Comparative Health Systems: Policies and Politics	Spring	6
GHMD924	Health Information Systems	n/o 2008	6
GHMD983	Statistics in Health Research	Spring	6
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT940	Research Methods	Autumn/Spring	6
ISIT998	Research Report	Spring/Annual	12
INFO911	Data Mining and Knowledge Discovery	Spring	6
MSC9102	Information Systems	Autumn	6
MSC9201	Citizens' Rights in the Information Society	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.

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Other Information

Students enrolled in the Master of Health Informatics may apply to graduate with a Graduate Certificate in Health Informatics after satisfactory completion of at least 24 credit points, which must include the three core subjects ISIT917, ISIT 929 and ISIT 930, and one 6 credit point elective subject chosen from the above list.

Professional Recognition

The Master of Health Informatics is accredited by the Australian Computer Society as meeting requirements for membership at a "Associate Level".

Master of Health Leadership and Management

Testamur Title of Degree:	Master of Health Leadership and Management
Abbreviation:	MHlthLeadMgmt
Home Faculty:	Faculty of Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn, Spring, Summer at Wollongong campus
Delivery Mode:	Face-to-face
Location:	Wollongong
UOW Course Code:	1567
CRICOS Code:	026342G

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.

Advanced Standing

Candidates must successfully complete a total of eight subjects, totalling 48 credit points; no advanced standing will be granted for subjects completed in the first graduate certificate degree. Students who successfully complete one of the Graduate Certificate programs listed in the course structure with an average mark of at least 60 per cent, may apply to progress to the MHLM with credit for previous studies.

Course Requirements

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. Candidates will then 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 Management

Graduate Certificate in Nutrition Management

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Graduate School of Business

Graduate Certificate in Business Administration

Graduate Certificate in Logistics

Graduate Certificate in Management

Faculty of Informatics

Graduate Certificate in Health Informatics

Graduate Certificate in Information and Communication Technology

Course structures for individual Graduate Certificate degrees can be found in the relevant Faculty's Handbook.

Master of Industry-based Information Technology

Testamur Title of Degree:	Master of Industry-based Information Technology
Abbreviation:	MIIT
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Modular face-to-face
Starting Session(s):	Negotiable
Location:	Wollongong/off-shore#†
UOW Course Code:	1512
CRICOS Code:	Not Applicable

By request.

† This program is not available to international students on-shore.

Overview

This industry-based degree has been specifically tailored for practising IT professionals, providing a deeper understanding of the issues that arise in the implementation and application of IT. The program informs and educates professionals about the organisational, economics, regulatory and socio-technical issues essential to the effective management of information technology.

The degree aims to improve the skills of professionals who are using the latest software technologies by providing a combined program of academic guidance to work-based activities plus traditional academic subjects, which can be offered off-campus in the form of short courses.

Entry Requirements / Assumed Knowledge

Current employment in an information and/or communication technology (ICT) related field with:

- A degree equivalent to a three-year Australian Bachelor degree with an average of at least 60% and demonstrated IT knowledge; or
- Qualifications showing an appropriate balance between other academic or professional qualifications, and relevant professional experience in information and/or telecommunications technology.

Ideally, all candidates would have a minimum of two years professional experience in information and/or communication technology. Each application will be considered on its merit.

Note: Enrolment may be through collaborative agreements with companies.

Course Requirements

Candidates must successfully complete the following three components:

1. Core Professional Development (12cp);
2. ITCS949 Industry-based Information Technology Project (12cp); and
3. Four (4) Academic subjects (24cp).

To be awarded with a major study, three (3) subjects must be selected from one of the groups of subjects listed below.

Subjects		Session	Credit Points
Software Engineering			
CSCI910	Formal Methods in Software Engineering	Autumn	6
CSCI926	Software Testing	Autumn	6
CSCI927	Service-Oriented Software Engineering	Spring	6
CSCI928	Software Engineering Requirements and Specifications	Spring	6

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Electronic Commerce

ISIT901	IT Strategic Planning	Spring	6
IACT906	Business On-Line	n/o 2008	6
ISIT937	Information Technology Security and Risk Management	Autumn	6

Information Management

ISIT916	Organisational Issues in Information Technology	Autumn	6
ISIT 917	Information Management	Autumn	6
ITCS936	Detailed Design of Integrated Solutions for eBusiness	n/o 2008	6

Multimedia

CSCI946	Multimedia Studies	Autumn	6
CSCI936	Visualistion	Autumn	6
ISIT931	Special Topics in IS and IT A	Autumn	6
ITCS907	Java Programming & Object Oriented Design	Spring	6

Enterprise Network Planning, Design and Management

ISIT901	Information Systems Strategic Planning	Spring	6
ISIT918	Strategic Network Management	Autumn	6
ISIT925	Strategic Network Design	Spring	6
ISIT937	Information Technology Security and Risk Management	Autumn	6

Other Information

Students enrolled in the MIIT may apply to graduate with a Graduate Certificate in Industry-based Information Technology after satisfactory completion of 24 credit points, chosen from any combination of the following:

1. 6cp for Core Professional Development;
2. ITCS949 Industry-based Information Technology Project (12cp);
3. Up to three Academic subjects (18cp) chosen from the above list.

Professional Recognition

The Master of Industry-based Information Technology is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

Master of Information and Communication Technology

Testamur Title of Degree:	Master of Information and Communication Technology
Abbreviation:	MICT
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong; INIT College, Sarawak, Malaysia;
UOW Course Code:	581
CRICOS Code:	009250J

Overview

This degree is aimed primarily at graduates working in the ICT industry who will benefit from an in-depth study of the organisational, economic, regulatory and socio-technical issues that arise in the implementation and application of IT, and of how to effectively manage these issues. Candidates may choose to complete a single major in a sub-discipline such as applied e-business IT Strategic Planning, Network Management, e-Learning or e-Health.

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 Information Systems and Technology from the University of Wollongong with an average mark of 60%.

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Advanced Standing

The Graduate Certificate in Information and Communication Technology at UOW articulates into the Master of Information and Communication Technology and the Master of Information and Communication Technology Advanced.

Also, the current Master of Information and Communication Technology degree at UOW articulates into the Master of Information and Communication Technology Advanced.

Course Requirements

The degree requires satisfactory completion of 900 level subjects to the value of at least 48 credit points, including:

1. a) The four (4) core subjects (24cp):

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 two (2) subjects (12cp) selected from the ISIT Graduate Subjects List (see below);

c) i) A maximum of two (2) subjects (12 cp) at 900-level may be taken from the following subject prefixes CSCI, MATH, STAT, ECTE or TBS. (Note that quotas may apply to TBS subjects offered at the Sydney Business School.) These subjects must be approved by the Head of School prior to commencing the subject/s.

ii) Any other 900-level subjects must be approved by the Head of School prior to commencing the subject.

2. To be awarded with a major (except e-Learning), a candidate shall satisfactorily complete four (4) subjects (24cp) as set out in the relevant program below, while still complying with requirement 1(b) and 1(c) above.

3. To be awarded with a major in e-Learning, a candidate shall satisfactorily complete four (4) subjects (24cp) as set out in the relevant program below, with the requirements 1(b) and (c) waived.

4. This degree may be completed without attempting a major area of study.

Areas of Major Study

Candidates enrolled in this degree may choose to major in:

- e-Business
- IT Strategic Planning
- Network Management
- e-Learning
- e-Health

e-Business		**Session**	**CP**
ISIT905	Technology Management and Innovation	Autumn	6
ISIT909	Advanced Business Process Management	Autumn	6
ISIT910	IT-Enabled Supply Chain Management	Spring	6
ISIT937	Information Technology Security and Risk Management	Autumn	6
ISIT938	e-Business Technologies	Autumn	6
ISIT951	Web Services and Service Oriented Architecture	Spring	6

IT Strategic Planning		**Session**	**CP**
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT906	Information Design and Content Management	Spring	6
ISIT916	Organisational Issues in Information Technology	Autumn	6
ISIT908	Information Technology Governance	Spring	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6

Network Management		**Session**	**CP**
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT918	Applied Network Management	Autumn	6

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ISIT924	Simulation and Modelling	Not on offer in 2008, see Co-ordinator for alternatives.	6
ISIT925	Applied Network Design	Spring	6

e-Learning		**Session**	**CP**
ISIT906	Information Design and Content Management	Spring	6
EDGH953	Design and Use of New Technologies in Adult Education/ VET/Higher Education	Spring	6
EDGH956	Innovation in Adult Education/VET/Higher Education	Autumn/ Spring	6
EDGI911	Information Technology in Education and Training	Autumn	6
EDGI913	Instructional Strategies and Authoring	Spring	6
EDGI915	Network-Based Learning	Spring	6
EDGI931	Interactive Multimedia Design	Autumn	6
EDGI933	Implementation and Evaluation of Technology-based Learning	Autumn	6
EDGI951	Visual and Interface Design	Autumn	6

e-Health		**Session**	**CP**
ISIT906	Information Design and Content Management	Spring	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6
ISIT929	Concepts and Issues in Healthcare Computing	Spring	6
ISIT930	Introduction to Health Informatics	Autumn	6
GHMD924	Health Information Systems	Autumn	6

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 - Research

Testamur Title of Degree:	Master of Information and Communication Technology – Research
Abbreviation:	MInfoTech – Res
Home Faculty:	Informatics
Duration:	1.5 years (3 full-time sessions) 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:	1309
CRICOS Code:	042638C

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.

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Advanced Standing

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.

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 School 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 School of Information Technology and Computer Science.

Current Research Areas

For areas of interest available to candidates undertaking the Master of Information and Communication Technology – Research, please refer to Current Research Areas under the Doctor of Philosophy entry.

Master of Information and Communication Technology Advanced

Testamur Title of Degree:	Master of Information and Communication Technology Advanced
Abbreviation:	MICTAdv
Home Faculty:	Informatics
Duration:	1.5-2 years (3-4 full-time sessions) or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1563
CRICOS Code:	056217J

Overview

This degree is aimed primarily at graduates working in the ICT industry who will benefit from an in-depth study of the organisational, economic, regulatory and socio-technical issues that arise in the implementation and application of IT, and of how to effectively manage these issues. Candidates may choose to complete either a single or a double major in a sub-discipline such as applied e-business technologies, e-business management, corporate network management, corporate network design, information technology management or health informatics.

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%

Advanced Standing

The Graduate Certificate in Information and Communication Technology at UOW articulates into the Master of Information and Communication Technology and the Master of Information and Communication Technology Advanced

Also, the current Master of Information and Communication Technology degree at UOW articulates into the Master of Information and Communication Technology Advanced, plus students in the Master of Information and Communication Technology Advanced may choose to exit early with an Master of Information and Communication Technology 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 72 credit points, including:

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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 six (6) subjects (36cp) selected from the ISIT Graduate Subjects List;

c) i) A maximum of two (2) subjects (12 cp) at 900-level may be taken from the following subject prefixes CSCI, MATH, STAT, ECTE or TBS. (Note that quotas may apply to TBS subjects offered at the Sydney Business School.) These subjects must be approved by the Head of School prior to commencing the subject/s.

ii) Any other 900-level subjects must be approved by the Head of School prior to commencing the subject.

2. To be awarded with a major (except e-Learning), a candidate shall satisfactorily complete four (4) subjects (24cp) as set out in the relevant program below, while still complying with requirement 1(b) and 1(c) above.

3. To be awarded with a major in e-Learning, a candidate shall satisfactorily complete four (4) subjects (24cp) as set out in the relevant program below, with the requirements 1(b) and (c) waived.

4. To be awarded with a double major, candidates must ensure that four of the subjects selected satisfy the requirements of one major and that a separate set of four subjects satisfy the requirements of a second major, i.e. any subject counted towards one major cannot also be counted towards a second major.

5. This degree may be completed without attempting a major area of study.

Areas of Major Study

Candidates enrolled in this degree may choose to major in one or two of the following areas:

- e-Business
- IT Strategic Planning
- Network Management
- e-Learning
- e-Health

e-Business		**Session**	**CP**
ISIT905	Technology Management and Innovation	Autumn	6
ISIT909	Advanced Business Process Management	Autumn	6
ISIT910	IT-Enabled Supply Chain Management	Spring	6
ISIT937	Information Technology Security and Risk Management	Autumn	6
ISIT938	e-Business Technologies	Autumn	6
ISIT951	Web Services and Service Oriented Architecture	Spring	6

IT Strategic Planning		**Session**	**CP**
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT906	Information Design and Content Management	Spring	6
ISIT916	Organisational Issues in Information Technology	Autumn	6
ISIT908	Information Technology Governance	Spring	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6

Network Management		**Session**	**CP**
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT918	Applied Network Management	Autumn	6
ISIT924	Simulation and Modelling	Not on offer in 2008, see Co-ordinator for alternatives.	6
ISIT925	Applied Network Design	Spring	6

e-Learning		**Session**	**CP**

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ISIT906	Information Design and Content Management	Spring	6
EDGH953	Design and Use of New Technologies in Adult Education/VET/ Higher Education	Spring	6
EDGH956	Innovation in Adult Education/VET/Higher Education	Autumn/ Spring	6
EDGI911	Information Technology in Education and Training	Autumn	6
EDGI913	Instructional Strategies and Authoring	Spring	6
EDGI915	Network-Based Learning	Spring	6
EDGI931	Interactive Multimedia Design	Autumn	6
EDGI933	Implementation and Evaluation of Technology-based Learning	Autumn	6
EDGI951	Visual and Interface Design	Autumn	6

e-Health		**Session**	**CP**
ISIT906	Information Design and Content Management	Spring	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6
ISIT929	Concepts and Issues in Healthcare Computing	Spring	6
ISIT930	Introduction to Health Informatics	Autumn	6
GHMD924	Health Information Systems	Autumn	6

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".

ISIT Graduate Subjects List

Subjects		**Session**	**Credit Points**
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT906	Information Design and Content Management	Spring	6
ISIT916	Organisational Issues in Information Technology	Autumn	6
ISIT908	Information Technology Governance	Spring	6
ISIT909	Advanced Business Process Management	Autumn	6
ISIT910	IT-Enabled Supply Chain Management	Spring	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6
ISIT918	Applied Network Management	Autumn	6
ISIT924	Simulation and Modelling	Spring	6
ISIT925	Applied Network Design	Spring	6
ISIT929	Concepts and Issues in Healthcare Computing	Spring	6
ISIT930	Introduction to Health Informatics	Autumn	6
ISIT937	Information Technology Security and Risk Management	Autumn	6
ISIT938	e-Business Technologies	Autumn	6
ISIT940	Research Methods	Autumn/Spring	6
ISIT945	Information Systems Project	Annual	12
ISIT946	Project and Change Management	Spring	6
ISIT949	Industry-based Information Technology Project	Annual	12
ISIT950	System Development Methodologies	Autumn	6
ISIT951	Web Services and Service Oriented Architecture	Spring	6
ISIT998	Information Technology Research Project	Annual/Autumn/ Spring	12

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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); or

A Graduate Diploma in Information Systems or Information Technology from the University of Wollongong with an average mark of 60%.

Advanced Standing

The Graduate Certificate in Information and Communications Technology from UOW articulates into the Master of Information Systems.

The Master of Information Systems articulates to the Master of Information Systems (Advanced)

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 core subjects (36 credit points)

b) 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	Information Technology Governance	Spring	6
ISIT909	Advanced Business Process Management	Autumn	6
ISIT910	IT-Enabled Supply Chain Management	Spring	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6

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Professional Recognition

Accreditation by the Australian Computer Society for membership at a 'Professional level' for the Master of Information Systems is being sought.

Master of Information Systems - Research

Testamur Title of Degree:	Master of Information Systems -Research
Abbreviation:	MInfoSys-Res
Home Faculty:	Informatics
Duration:	1.5 years
Total Credit Points:	72
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1334
CRICOS Code:	042551K

Overview

The Master of Information Systems - Research is a 72 credit point degree consisting of 24 credit points of coursework subjects and a 48 credit point thesis. The program may be studied full-time over 1.5 years or part-time over three years.

Entry Requirements / Assumed Knowledge

This degree is primarily a research degree for those who have completed an undergraduate degree in Information Systems, or equivalent, with Distinction, e.g. a Bachelor of Commerce (Honours) in Business Information Systems at a standard of Class II Division 2 or higher.

Advanced Standing

Advanced standing of up to 24 credit points may be awarded for the coursework component of this degree to students who have completed subjects relating to any specific research areas at an appropriate standard as assessed by the Course Coordinator.

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

Master of Information Systems Advanced

Testamur Title of Degree:	Master of Information Systems Advanced
Abbreviation:	MInfoSysAdv
Home Faculty:	Informatics
Duration:	2 years
Total Credit Points:	72
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1544
CRICOS Code:	049638B

Overview

The Master of Information Systems Advanced 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.

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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) or

A Graduate Diploma in Information Systems or Information Technology from the University of Wollongong with an average mark of 60%

Advanced Standing

The Graduate Certificate in Information and Communications Technology from UOW articulates into the Master of Information Systems Advanced

The Master of Information Systems articulates to the Master of Information Systems Advanced.

Early Exit Points

Students may choose to exit early with a Master of Information Systems if they fulfil the requirements of that degree.

Course Requirements

The degree requires the satisfactory completion of 900 level subjects to the value of at least 72 credit points. Consisting of:

a) Five core subjects (36 credit points) and

b) 6 subjects (36 credit points) selected from the MInfoSysAdv 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	Information Technology Governance	Spring	6
ISIT909	Advanced Business Process Management	Autumn	6
ISIT910	IT-Enabled Supply Chain Management	Spring	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6

Professional Recognition

Accreditation by the Australian Computer Society for membership at a 'Professional level' for the Master of Information Systems Advanced is being sought.

Master of Information Technology Management

Testamur Title of Degree:	Master of Information Technology Management
Abbreviation:	MITM
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong/ offshore#
UOW Course Code:	1509
CRICOS Code:	031283E

By request.

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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.

Subjects		Session	Credit Points
Group A			
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
IACT906	Business On-Line	n/o 2008	6
ISIT916	Organisational Issues in Information Technology	Autumn	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6
ISIT918	Strategic Network Management	Autumn	6
ISIT932	Special Topics in IS and IT B	n/o 2008	6
ISIT937	Information Technology Security and Risk Management	Autumn	6
Or any other subject approved by the Head of School, prior to commencement.			
Group B			
BUSS952	Strategic Information Systems Management	Autumn	6
MARK901	Marketing on the Internet	Spring	6
TBS901	Accounting for Managers*	Autumn	6
TBS902	Statistics for Decision Making*	Autumn/Spring	6
TBS903	Managing People in Organisations*	Spring	6
TBS904	Marketing Management*	Autumn	6
TBS906	Information Systems for Managers*	Autumn	6
TBS908	Supply Chain Management*	Autumn	6
TBS920	International Business Strategy*	Autumn	6
TBS929	Management of Process Innovation*	n/o 2008	6
TBS950	Quality in Management*	Autumn/Spring	6
TBS981	Employment Relations in an International Context*	Autumn/Spring	6
Or any other subject approved by the Head of School, prior to commencement.			

*Offered by the University of Wollongong Graduate School of Business. Start dates differ from the standard University Calendar. Quotas may apply to TBS subjects offered at the Sydney Business School.

Credit Towards Other Courses

This degree articulates into the Master of Business Administration (MBA). Only a further seven subjects will be required to gain the MBA degree. For further information on the MBA, please refer to the Graduate School of Business and Professional Development.

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Professional Recognition

The Master of Information Technology Management is accredited by the Australian Computer Society as meeting requirements for membership at an "Associate Level".

Graduate Certificate in Health Informatics

Testamur Title of Degree:	Graduate Certificate in Health Informatics
Abbreviation:	GCertHealthInfo
Home Faculty:	Informatics
Duration:	6 months (1 full-time session) or part-time equivalent
Total Credit Points:	24
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	N/A
CRICOS Code:	N/A

Overview

This graduate certificate is designed as an early exit point from the Master of Health Informatics degree.

Entry Requirements / Assumed Knowledge

Refer to Master of Health Informatics.

Course Requirements

Students enrolled in the Master of Health Informatics may apply to graduate with the Graduate Certificate in Health Informatics after satisfactory completion of 24 credit points, which must include the three core subjects ISIT917, ISIT929 and ISIT930, and one 6 credit point subject chosen from the electives listed for the Master of Health Informatics.

Graduate Certificate in Industry-based Information Technology

Testamur Title of Degree:	Graduate Certificate in Industry-based Information Technology
Abbreviation:	GCertIIT
Home Faculty:	Informatics
Duration:	6 months (1 full-time session) or part-time equivalent
Total Credit Points:	24
Delivery Mode:	Modular face-to-face
Starting Session(s):	Negotiable
Location:	Wollongong/off-shore#†
UOW Course Code:	1140
CRICOS Code:	Not Applicable

By request. † This program is not available to international students on-shore.

Overview

This graduate certificate is designed as an early exit point from the Master of Industry-based Information Technology (MIIT) degree.

Entry Requirements / Assumed Knowledge

Refer to Master of Industry-based Information Technology.

Course Requirements

Students enrolled in the MIIT may apply to graduate with a Graduate Certificate in Industry-based Information Technology after satisfactory completion of 24 credit points, chosen from any combination of the following:

1. 6cp for Core Professional Development
2. ITCS949 Industry-based Information Technology Project (12cp)
3. Up to three Academic subjects (18cp) chosen from the subjects listed under the MIIT.

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Graduate Certificate in Information and Communication Technology

Testamur Title of Degree:	Graduate Certificate in Information and Communication Technology
Abbreviation:	GCertICT
Home Faculty:	Informatics
Duration:	6 months (1 full-time session) or part-time equivalent
Total Credit Points:	24
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1111
CRICOS Code:	020196F

Overview

This program introduces information and communication technology (ICT) concepts, and provides students with the opportunity to obtain the knowledge and skills required to effectively solve organisational, economic, regulatory and socio-technical problems that arise in the implementation and application of information technology (IT).

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree in an area related to ICT (e.g. Information Technology; Computer Science; Information Systems; or Electrical, Computer or Telecommunications Engineering).

Course Requirements

The certificate requires satisfactory completion of at least 24 credit points of graduate subjects including:

1. One subject (6 credit points) ISIT900 Fundamentals of Contemporary Technologies;

2. Three 900-level subjects (18 credit points) chosen from the ISIT Graduate Subjects List or any other subject approved by the Head of School

If it is the intention of the student to progress or articulate into a Masters degree then the pattern of study should follow the intended Masters degree. In other words, subject selection should be consistent with the intended Masters degree.

Advanced Standing

Students who qualify for the Graduate Certificate in Information and Communication Technology may be able to proceed to any of the following degrees:

Master of Information and Communication Technology (MICT)

Master of Information and Communication Technology (Advanced) (MICT(Advanced))

or the Master of Information Technology Management (MITM)

Advanced standing of 24 credit points will be granted towards these Masters degrees.

The completion of the Masters degree will require the satisfactory completion of a further 24 credit points as specified in the schedule for that program.

Other Information

Prior to the conferring of a Master of Information and Communication Technology upon a candidate who holds a Graduate Certificate in Information and Communication Technology from this University, the candidate shall surrender the testamur and all rights relating to the Graduate Certificate.

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Graduate Diploma in Information Systems and Technology

Testamur Title of Degree:	Graduate Diploma in Information Systems and Technology
Abbreviation:	GDipInfoSysTech
Home Faculty:	Informatics
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:	648B
CRICOS Code:	031280G

Overview

This course aims to provide graduates with a coherent program of studies which will enable them to function as information systems professionals within a business organisation. The curriculum provides a balanced approach to the technical knowledge and skills, as well as an emphasis on human aspects of the information systems field.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree in an area other than ICT, i.e. not a degree in Information Systems, Information Technology, Computer Science or Computer Engineering

OR

A Graduate Certificate in Information Systems, from the University of Wollongong, with an average mark of 60%.

OR

Applicants with other professional or academic qualifications not related to ICT, plus a minimum of three years full-time work experience (or part-time equivalent) in the ICT industry, may be considered by the Faculty.

Advanced Standing

The Graduate Certificate in Information Systems articulates into the Graduate Diploma in Information Systems and Technology.

Course Program

The Graduate Diploma in Information Systems and Technology requires satisfactory completion of 8 subjects (48 credit points), consisting of the following:

Subject		Session	Credit Points
Core			
ISIT100	Systems Analysis	Autumn	6
ISIT111	Programming Concepts	Autumn	6
ISIT112	Database	Spring	6
ISIT218	Systems Design and Human Computer Interaction	Autumn	6
ISIT212	Corporate Network Planning and Design	Spring	6
BUSS318	Information Systems Project	Spring	6
And two of the following:			
ISIT114	Object Oriented Programming	Spring	6
ISIT101	Web Programming 1	Autumn 2008 Spring 2009	6
ISIT208	Strategic Systems Management	Spring	6
ISIT316	Information Systems Prototyping and Methodologies	Autumn	6
ISIT313	Information Management	Autumn	6
ISIT302	Corporate Network Management	Autumn	6

Or any other undergraduate subjects which must be approved by the Head of School prior to commencing the subject.

If it is the intention of the student to progress or articulate into a Masters degree offered by the School of Information Systems and Technology (e.g. Master of Information Systems, Master of Information and Communication Technology

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or their advanced options) then the pattern of study should follow the intended Masters degree. In other words, subject selection should be consistent with the intended Masters degree.

School of Mathematics and Applied Statistics

Doctor of Philosophy

Testamur Title of Degree:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics
Duration:	3 years (6 full-time sessions) or part-time equivalent
Total Credit Points:	48 cp per year
Delivery Mode:	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

Engineering and Applied Mathematics

Applied non-linear dynamical systems

Bioreactor engineering

Chemical reaction engineering

Combustion theory

Computational environmental fluid dynamics

Computational mathematics

Elasticity and fracture mechanics

Granular materials

Lie group analysis of non-linear differential equations

Nanotechnology

Non-linear continuum mechanics including large elastic deformations of rubber-like materials

Nonlinear optics

Non-linear waves

Oceanography

Rail development

Statistical and Survey Methodology

e-Education

Epidemiology

Experimental design

Goodness of fit

Image analysis

Multivariate analysis

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Neural networks
Nonparametrics
Quasi-likelihood
Sample survey design, analysis and methodology
Spatial statistics
Statistical decision theory
Statistical quality control
Time series analysis

Mathematical Analysis

Algebra
Analysis
C*-algebra
Harmonic analysis and wavelets
Group theory
Topology and chaos
Logic and partial differential equations
Topological groups
Measure theory
Number theory
Functional analysis
Combinatorial designs
Mathematical Finance

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 (3 full-time sessions) or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Supervised individual research and face-to-face classes
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1304
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.

Advanced Standing

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.

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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 the School of Mathematics and Applied Statistics.

900-Level Mathematics Subjects

Subjects		Session	Credit Points
MATH902	Solution of Differential Equations by One-Parameter Groups	Autumn	6
MATH903	Mean Periodic Functions	n/o 2008	6
MATH904	Stability for Partial Differential Equations	n/o 2008	6
MATH905	Functional Analysis and Control Theory	n/o 2008	6
MATH912	Mathematics of Microwave Heating	Autumn	6
MATH913	Fluid Mechanics and Wave Theory	n/o 2008	6
MATH915	Applied Nonlinear Partial Differential Equations	n/o 2008	6
MATH916	Heat Conduction and Moving Boundary Problems	n/o 2008	6
MATH917	Advanced Numerical Analysis	n/o 2008	6
MATH918	Computational Fluid Mechanics	n/o 2008	6
MATH921	Advanced Functional Analysis	n/o 2008	6
MATH923	Measure and Integration	n/o 2008	6
MATH924	Distributions	n/o 2008	6
MATH925	Topics in Algebra	n/o 2008	6
MATH926	Logic and Set Theory	Spring	6
MATH927	Combinatory Logic	n/o 2008	6
MATH928	Advanced Measure Theory	n/o 2008	6
MATH929	General Topology	n/o 2008	6
MATH931	Statistical Behaviour in Dynamical Systems	Spring	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

Note: Subjects offered may vary each year. Check the subject database or contact the School for up-to-date subject information.

Current Research Areas

For areas of research available to candidates undertaking the Master of Science – Research (Mathematics), please refer to Current Research Areas under the Doctor of Philosophy entry.

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 following Research Student Centre website for details: www.uow.edu.au/research/rsc/hdrhb/course-transfers.html

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Master of Science - Research (Statistics)

Testamur Title of Degree:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Informatics
Duration:	1.5 years (3 full-time sessions) or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Supervised individual research and face-to-face classes
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1304
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.

Advanced Standing

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 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 the School of Mathematics and Applied Statistics.

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 2008	6
STAT906	Experimental Design	n/o 2008	6
STAT941	Statistical Quality Control 1	n/o 2008	6
STAT942	Design and Analysis for Quality Control	n/o 2008	6
STAT944	Regression and Observational Studies	n/o 2008	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	n/o 2008	6
STAT983	Advanced Topics in Statistics C	n/o 2008	6

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Note: Subjects offered may vary each year. Check the subject database or contact the School for up-to-date subject information.

Current Research Areas

For areas of research available to candidates undertaking the Master of Science – Research (Statistics), please refer to Current Research Areas under the Doctor of Philosophy entry.

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 following Research Student Centre website for details: www.uow.edu.au/research/rsc/hdrhb/course-transfers.html

Master of Mathematics

Testamur Title of Degree:	Master of Mathematics
Abbreviation:	MMath
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	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 the School of Mathematics and Applied Statistics.

Course Program

Subjects		Session	Credit Points
MATH991	Project	Annual	12
Plus at least 36 credit points chosen from the following list, as approved by the Head of School:			
MATH902	Solution of Differential Equations by One-Parameter Groups	n/o 2008	6
MATH903	Mean Periodic Functions	n/o 2008	6
MATH904	Stability for Partial Differential Equations	n/o 2008	6
MATH905	Functional Analysis and Control Theory	n/o 2008	6
MATH912	Mathematics of Microwave Heating	n/o 2008	6
MATH913	Fluid Mechanics and Wave Theory	n/o 2008	6
MATH915	Applied Nonlinear Partial Differential Equations	n/o 2008	6
MATH916	Heat Conduction and Moving Boundary Problems	n/o 2008	6
MATH917	Advanced Numerical Analysis	n/o 2008	6

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MATH918	Computational Fluid Mechanics	n/o 2008	6
MATH921	Advanced Functional Analysis	n/o 2008	6
MATH923	Measure and Integration	n/o 2008	6
MATH924	Distributions	n/o 2008	6
MATH925	Topics in Algebra	n/o 2008	6
MATH926	Logic and Set Theory	n/o 2008	6
MATH927	Combinatory Logic	n/o 2008	6
MATH928	Advanced Measure Theory	n/o 2008	6
MATH929	General Topology	n/o 2008	6
MATH931	Statistical Behaviour in Dynamical Systems	n/o 2008	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

Or any other 900-level subjects offered by the School of Mathematics and Applied Statistics, as approved by the Head of School.

Note: Subjects offered may vary each year. Check the Subject Database or contact the School for up-to-date subject information.

In exceptional circumstances and subject to approval by the Head of the School, 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 (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	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 the School of Mathematics and Applied Statistics.

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Course Program

Subjects		Session	Credit Points
STAT990	Minor Project	Autumn/Spring	6
or, with the approval of the Head of School, 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 School:

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 2008	6
STAT906	Experimental Design	n/o 2008	6
STAT920	Stochastic Methods in Finance	Autumn	6
STAT941	Statistical Quality Control 1	n/o 2008	6
STAT942	Design and Analysis for Quality Control	n/o 2008	6
STAT944	Regression and Observational Studies	n/o 2008	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	n/o 2008	6
STAT983	Advanced Topics in Statistics C	n/o 2008	6

Or any other 900-level subjects offered by the School of Mathematics and Applied Statistics, as approved by the Head of School.

Note: Subjects offered may vary each year. Check the subject database or contact the School for up-to-date subject information.

In exceptional circumstances and subject to approval by the Head of the School, 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 (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	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.

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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
FIN920	Advanced Risk & Insurance	Spring	6
FIN921	Managerial Finance	Autumn/Spring	6
MATH941	Financial Calculus	Autumn	6
MATH942	Numerical Methods	Spring	6
MATH943	Practitioners' Seminars	Annual	0
STAT920	Stochastic Methods in Finance	Autumn	6
STAT921	Multiple Regression & Time Series	Spring	6
Plus one STAT and one FIN subject chosen from:			
STAT922	Statistical Inference & Multivariate Analysis	Spring	6
STAT923	Applied Probability & Financial Risk	Autumn	6
FIN922	Advanced Investment Analysis	Autumn	6
FIN923	Advanced Portfolio Management	Spring	6

Graduate Diploma in Statistics

Testamur Title of Degree:	Graduate Diploma in Statistics
Abbreviation:	GDipStat
Home Faculty:	Informatics
Duration:	1 year (2 full-time sessions) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	665
CRICOS Code:	001251F

Overview

This program is intended for students with limited or no background in statistics but who have the equivalent of first year mathematics. Students can update or improve their statistical skills to Bachelor level and gain entry to the Master of Statistics program.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, which must include the equivalent of first-year mathematics.

Course Requirements

The graduate diploma will normally occupy two (2) sessions of full-time study or four (4) sessions of part-time study, and requires the satisfactory completion of at least 48 credit points, with the following requirements:

1. At least 36 credit points are to be chosen from those subjects listed in the Bachelor of Mathematics and Master of Statistics course structures, including at least 24 credit points of 300-level or 900-level subjects.
2. Candidates are not to include subjects which, in the opinion of the Head of School, are equivalent in content to those for which credit has already been obtained towards some other degree or diploma.
3. The chosen program is to be approved by the Head of School prior to enrolment.

Other Information

Students who satisfactorily complete the Graduate Diploma are eligible to apply for entry to the Master of Statistics.

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SUBJECT DESCRIPTIONS

BUSS907 Fundamentals of e-Business

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to provide an understanding of the scope of electronically supported commercial activities. The use of electronic commerce to achieve strategic advantage at the organizational, local and global arena will also be examined, with reviews on the broader social implications of electronic commerce.

BUSS909 Information Automation and Organisational Workflow

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject examines the specification, customisation and uage of multimodel document management and workflow with an emphasis on the integration of systems, people and communication to improve productivity in organisations.

BUSS910 Qualitative Analysis of Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines newly emerging qualitative, contextual and interpretivist theories and methods used to describe information systems, the process of systems development, and change processes in organisations which emphasise relationships between technical and social change. The subject utilises interdisciplinary approaches drawn from critical theory, discourse analysis, ethnography and anthropology. The subject will also examine the implications of these approaches to the discipline and practice of systems analysis and development in organisations. Students will be involved in applying these theories and methods to system case studies and will be introduced to tools that support these approaches.

BUSS911 Intelligent Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject considers the theory and practice of intelligent information systems development. It introduces the core principles of knowledge representation and reasoning, as well as techniques involved in knowledge acquisition, machine learning, planning and search. It then examines how these techniques are deployed in practical settings by considering applications such as expert systems, constraint programming, multi-agent systems, data mining and web information retrieval.

BUSS926 Decision Support Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: A central concern for the field of Information Systems is the design and implementation of computer systems to support managerial decisions and organisational processes. This requires a good understanding of the process of decision making and the ability to model decisions effectively besides gaining familiarity with a range of software tools for building such systems. This subject will provide a comprehensive review of model-based and data-driven approaches to building systems to provide decision support in organisations. It will have an interdisciplinary thrust drawing on concepts and theories from Information Systems, Computer Science, Management Science among others.

BUSS927 Human Computer Interaction

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: Not to be counted with BUSS227
Subject Description: This subject examines usability theory methods and practices in the context of practical information systems in organisations. The subject is intended to provide students with an understanding of and experience in usability design and evaluationpractice. Topics include Interface Constituents; Basic Interaction including Event Handling, Model-View Controller Architecture, Abstract Devices, Look and Feel, Widgets and Interfaces, Layout, Interactivity in the Context of Interaction, and Interaction Styles; Usability Paradigms and Principles including functional models, task-oriented functional design, task analysis and evaluation analysis; HCI Interaction Models including social, organisational, informational and ergonomic desigh; Design Processes; and Usability in Action.

BUSS929 Information Systems Research Methods

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to provide a substantive and methodological introduction to research in the field of Information Systems. While the primary focus will be on the different research methods for doing research in this field, some content-related issues are bound to come up during the course of the discussions in the class. It is expected that, on completion students will be able to critically read and relate to published research and to develop sufficient research skills to be in a position to undertake thesis and other independent research in information systems. The students should also develop an appreciation for the criteria as to what constitutes 'good' research using each of the methods discussed and the appropriateness of each for specific research questions.

BUSS951 Critical Issues in Information Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores the critical issues of current concern to information

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systems researchers and practitioners in organisations. It will provide both a broad comparative view of state of the art organisational information systems and a detailed study of the development and application of selected systems currently being researched within the Information Systems Discipline.

BUSS952 Strategic Information Systems Management

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject aims to provide students with: an overview and analysis of the most important issues facing IS managers in organisations today; descriptions of useful and acceptable IS structures and planning processes, and how to objectively and ethically apply them in varying organisational contexts; an insight into typical mechanisms used for managing IS staff within the organisation.

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.

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 2008
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

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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 2008
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 2008
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 2008
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 Studies

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject studies the creation and programming of digital media for multimedia applications. Multimedia systems combine images, graphics, sound and text to interactively communicate information. Each of these media has its own standards, algorithms and file formats. The foundations strand examines the principles of how media is created. The programming strand explores the programming of multimedia applications, using a multimedia applications

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such as QuickTime for Java. The practical strand explores the acquisition, encoding and editing of digital video and audio with professional tools, such as Final Cut Pro.

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 Network Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject provides a survey of network security technologies and explores them in practice. This includes but not limited to, network-based threats, security failure in cryptographic and network protocols, authentication servers, certificates and public-key infrastructure, security provisions in communication protocols and standards, electronic mail security, firewalls and intrusion detection systems.

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 2008
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

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 Computer Science.

CSCI983 Preliminary Topics in Computer Science D

Not on offer in 2008
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.

CSCI991 Project

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 12
Pre-requisites: None
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.

ECTE902 Stochastic Signal Processing

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE402
Subject Description: The aim of this subject is to provide students with a basic understanding of design and analysis of stochastic and adaptive signal processing algorithms. Topics covered include: random variables, signals and vectors, correlation and covariance matrices and their properties, autoregressive (AR), moving average (MA) and autoregressive moving average (ARMA) signal models, whitening filter and innovation process, modern power spectrum estimation techniques including parametric methods, minimum

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variance spectral estimation, and eigenalysis algorithms (MUSIC and ESPRIT), linear prediction, maximum likelihood and MSE estimation, Wiener and Kalman filters, the LMS algorithm and adaptive filtering 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.

ECTE904 Adaptive Signal Processing

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE404
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 adaptive signal processing (echo cancellation, channel equalisation, etc.) applications, including current research developments.

ECTE905 Speech and Audio Processing

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE405
Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in undergraduate courses. The contents will consist of: applying digital signal processing in speech and audio 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 deals with the analysis, modelling and simulation of linear and stochastic systems using various mathematical and electrical engineering approaches. It covers operators, vector representation of signals, linear transformations, mathematical description of continuous-time and discrete time systems, impulse-response and transfer-function analysis, review of probability and random variables, mathematical description of random signals, and response of linear systems to random signals.

ECTE911 AC-Sourced Power Electronics

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC912/ECTE411
Subject Description: Topics covered in this subject include: ac-sourced power electronics devices and their main applications, ac to dc power conversion and its industrial applications, ac voltage controllers, high power conversion in electric power utilities, harmonics and current research developments.

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.

ECTE913 Micro-Electronics

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE413
Subject Description: The aim of this subject is to extend the electronics knowledge gained in undergraduate courses. Topics covered will include: theory of operation of BJT and FET devices; the use of FET devices in analogue and digital circuits; CMOS logic family; oscillators; high frequency amplifiers; VLSI design techniques; gate arrays; programmable logic devices; memory cells and current research developments. The practical component will consist of using Electronics Simulation Packages to (a) model circuits and examine their behaviour; (b) perform a logical design, (c) program the design into a programmable device and test its performance.

ECTE921 Power Quality

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC970/ECTE421
Subject Description: This subject will study the different types of systems which can propagate in the electric power supply, their origins and their effects on sensitive equipment such as computers, telecommunications systems, PLCs and variable speed drives. The disturbances include harmonics, voltage sags, capacity switching transients, voltage unbalance, etc. Topics discussed will include: the ability of equipment to emit disturbances, its susceptibility, industry standards; design techniques to ensure standards are met; and current research developments.

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ECTE922 Power Quality Monitoring

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE422
Subject Description: This subject will treat measurement techniques and waveform interpretation relevant to the operation of sensitive equipment with a non-ideal power supply. The different types of waveform disturbances and their characterisation will be discussed, such as harmonics, inter-harmonics, flicker and voltage sag. Relevant standards for signal analysis will be examined and their approach justified. There will also be a treatment of transducers and current research developments will be included.

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.

ECTE924 Power System Abnormalities

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE424
Subject Description: Topics covered include: reliability concerns, insulation requirements and protection methods of energy systems. The design aspect of energy systems for reliable and economical energy supply, internal and external overvoltage protection of energy systems and terminal equipment, stability limits of energy systems; the application of electromagnetic transient programmes (EMTP) for insulation co-ordination and current research developments will be discussed.

ECTE925 Industrial Drives and Actuators

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC928/ECTE425
Subject Description: Topics covered in this subject include: selection of dc, ac motors (induction and/or permanent magnet) and actuators for industrial applications and the design of closed loop speed control systems for dc and ac motors, including current research developments. In ac motor control, field orientation will be given particular emphasis.

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

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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: ELEC943/ECTE441
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.

ECTE943 Digital Control

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC943/ECTE443
Subject Description: This subject provides the knowledge and skills required to model, analyse and design computer controlled systems in the z-domain. The contents will consist of: Impulse sampling, stability analysis in the Z-domain, root locus analysis and design in the Z-domain, W-transformation, frequency response analysis and design in the Z-domain and current research developments.

ECTE944 Identification and Optimal Control

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC944/ECTE444
Subject Description: The subject provides the knowledge and skills required to identify the model of a system and optimise its performance. The contents will consist of: system identification using the least square method and quadratic performance index; quadratic optimal control; Kalman filters; and applications of genetic algorithms in system identification and optimal control, including current research developments.

ECTE945 Advanced Intelligent Control

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE941
Subject Description: The aim of this subject is to provide students with the knowledge and skills required to model, analyse and design a system using intelligent methods. The contents will consist of: introduction to fuzzy systems, introduction to artificial neural network, crisp fuzzy control systems, adaptive fuzzy control systems, and neuro-fuzzy control systems Students will be required to undertake an advanced project involving current research developments.

ECTE946 Advanced Computer Controlled Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE942
Subject Description: The aim of this subject is to provide students with the knowledge and skills required to model, analyse and design computer controlled systems in the z-domain. The contents will consist of: Discrete time state space modelling of system, stability analysis in state space, controllability and observability, pole placement design and state feedback, state observer design. Students will be required to undertake an advanced project involving current research developments.

ECTE953 Advanced Project

Spring Wollongong On Campus
Autumn 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
Exclusions: ELEC953
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

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC955, 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 design, and perform experiments; analyse results; and write reports on projects selected to illustrate practical issues selected from the two postgraduate programs.

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ECTE956 Internet Technology Laboratory

Autumn Wollongong On Campus
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

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: A WAM of 72.5% for the full-time first session load (i.e., four six credit point subjects, including ECTE956 Internet Project and ECTE991 Internet Fundamentals).
Co-requisites: None
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.

ECTE958 Advanced Mechatronics Laboratory

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE955
Subject Description: The aim of this subject is to provide students with an opportunity to apply and verify theory through mechatroncis laboratory experiments and computer studies. Students will be expected to design, and perform experiments; analyse results; and write reports on projects related to mechatronics activities within the research programs.

ECTE961 Telecommunications Queueing Theory

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC960/ECTE461
Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including analysis of delay and loss queueing systems, undertake Markov modelling and analysis, and calculate blocking probabilities of telephone switching equipment. Topics covered will include: queueing theory, Markov chain analysis, throughput and congestion analysis, Erlang and Engset distributions, blocking probability, overflow traffic and current research developments.

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 and dimension telephone exchanges, trunk lines, Internet switches and circuit and packet switched networks. Topics covered will include: telephone and data networks and systems, mixed voice and data queueing systems, optimal capacity allocation, direct and alternate routing and current research developments.

ECTE963 Transmission Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC962/ELEC980/ECTE463
Subject Description: Topics covered include: Maxwell's equations, wave propagation in transmission lines, the Smith chart, wave guides, optical fibres and current research developments. The aim of this subject is to provide methods of characterising distributed passive transmission media such as transmission lines, wave guides, and fibre optics.

ECTE964 Antennas and Propagation

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC962/ELEC983/ECTE464
Subject Description: Topics covered include: wave propagation in the air, signal radiation, antennas and current research developments. The aim of this subject is to provide methods of characterising antenna systems for use in communications.

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.

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ECTE966 Spread Spectrum Communications

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE466
Subject Description: The aim of this subject is to teach students the theory and highlight the major problems involved in application of spread-spectrum communications. The contents will consist of: basic spread-spectrum techniques, principles of code division multiple access (CDMA), design of spreading sequences, detection techniques for CDMA and current research developments. The taught concepts will be illustrated by examples of existing spread-spectrum communication systems.

ECTE967 Mobile Networks

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE467
Subject Description: The aim of this subject is to provide students with the knowledge to evaluate current and emerging mobile networks. Topics covered will include: analogue and digital mobile networks, roaming in mobile networks, GSM standards and principles, GSM network structure, call hand-over analysis, mobility in the Internet, emerging third generation mobile networks and current research developments.

ECTE968 Error Control Coding

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE468
Subject Description: The students will be introduced to information theory and the use of coding in a communications application in the presence of noise and other channel degradations (fading and multipath). Different coding techniques will be considered such as forward error correction techniques, including linear codes, cyclic codes, block codes, convolutional codes, turbo codes and sparse codes related to the theoretical Shannon limit. Case studies will be used to illustrate common error coding techniques and current research developments in these areas. A laboratory component will illustrate concepts associated with error coding techniques.

ECTE970 Advanced Topics in Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of ECTE970 is to 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.

ECTE972 Robotics Sensory Control

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC973/ECTE472
Subject Description: This subject provides the knowledge and skills required to design appropriate sensors for the intelligent operation of robotics systems. Topics covered include: intelligent operation of robots, industrial vision, hand-eye control of a robot, tactile sensors, force sensors, ultrasound and other sensors, and current research developments.

ECTE973 Advanced Robotics Manipulators

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE971
Subject Description: The aim of this subject is to provide students with the knowledge and skills required to model, analyse, design and employ a robotics manipulator. The contents will consist of: 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. Students will be required to undertake an advanced project involving current research developments.

ECTE974 Advanced Robotics Sensory Control

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE972
Subject Description: The aim of this subject is to provide students with the knowledge and skills required to design appropriate sensors for the intelligent operation of a robotics systems. Topics covered include: intelligent operation of robots, industrial vision, hand-eye control of a robot, tactile sensors, force sensors, ultrasound sensors, and other sensors. Students will be required to undertake an advanced project involving current research developments.

ECTE981 Internet Protocols

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

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Co-requisites: None
Exclusions: ECTE481
Subject Description: This subject will provide students with an understanding of protocols used in computer networks. Examples will be drawn from existing networks including the Internet. Students will learn what computer network protocols are and how they work today, and how they are likely to evolve in the future. Topics to be studied will include: LAN medium access control protocols, congestion/flow/error control, routing, addressing, internetworking and current research developments. There will be both written and programming assignments, including a project involving the design and implementation of an exemplar protocol.

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.

ECTE983 Computer Networking

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC969/ECTE483
Subject Description: The aim of this subject is to provide students with an understanding of the techniques that are used to provide communication between computer systems. Topics covered will include: modems, addressing, routing, interworking, congestion control in computer networks and current research developments.

ECTE984 Network Design and Analysis

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE484
Subject Description: The aim of this subject is to provide students with the engineering skills to analyse multi-service packet switched networks and systems. Topics covered will include: simulation and numerical techniques in queueing, software tools for analysis of queueing systems and networks, queueing performance analysis of Internet, ATM and mobile multi-service networks, and current research developments.

ECTE985 Internet Communications

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC969/ECTE485
Subject Description: The aim of this subject is to provide students with an understanding of the techniques that are used to provide communication between computer systems. Topics covered will include: layered protocol architectures, circuit and packet switching, asynchronous and synchronous transmission, coding, error detection and correction, flow control and current research developments.

ECTE986 Telecommunications Network Management

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ELEC965/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.

ECTE993 Wireline and Optical Communications

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide a detailed overview of wireline internet access networks and fibre optic techniques. The following topics will be covered: wireline access technologies, high speed modems, xDSL technology for broadband internet access using existing copper loop, cable modem technology, optical fibre technology (including fibre to the home and curb options), optical fibre link design considerations, WDM, optical standards and optical switching techniques.

ECTE994 Wireless and Mobile Communication Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ECTE465/466 and ECTE965/966
Subject Description: The aim of this subject is to

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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.

ECTE995 Content Servers and Caching Technologies

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The aim of this subject is to provide a detailed overview of content servers and cache technology. The following topics will be covered: content server technology (including the different classes RADE systems) and their comparative performance in terms of functionality, cost and reliability; analyse selection criteria for content servers given a functional specification; caching technology, analyse best practice cache dimensioning and selection guidelines.

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
Spring 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).

GHMD983 Statistics in Health Research

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
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.

IACT901 IT Strategic Planning

Not on offer in 2008
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 2008
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 2008
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 2008
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

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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.

INFO913 Information Theory

Not on offer in 2008
Credit Points: 6
Pre-requisites: MATH121 or MATH122 or (MATH187 and MATH188), or (MATH141 and MATH142).
Co-requisites: None
Subject Description: The following is a selection of topics which may vary. The idea of probability, entropy, inequalities involving entropy, data compression, Huffman and Fano codes, information sources, McMillan's theorem, communication and capacity, block codes, Shannon's theorems, applications to other areas which may include communication, linguistics, genetics and financial investment.

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

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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

Autumn Wollongong On Campus
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 establishes a basis for understanding the role of information systems in organisations and how such systems relate to organisational objectives, structures and procedures. Using systems theory plus other social theories including activity theory, the topics covered will include: the system concept in an organisation, information flows and decision processes, techniques and skills in representing system structures and integration of information systems into the organisational structure.

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.

ISIT910 IT-enabled Supply Chain Management

Spring Wollongong On Campus
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 in Information Technology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: IACT916
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 the importance of information as a resource, on which the knowledge base of successful organisations is dependent. While the main focus of the subject is information management within the organisation, a broader context is important. National and international issues relating to information access will be addressed. These include: standards relating to electronic storage and retrieval of electronic documents (digital archiving); legal protection

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for information as an economic good (for example as patents, copyright and other forms of intellectual property); and social and ethical issues (eg privacy and security) relating to information management.

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

Not on offer in 2008
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

Autumn Wollongong On Campus
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 Research Methods

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6

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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
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: None
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
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: IACT940 or ISIT940
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

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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.

ITCS907 Java Programming & Object Oriented Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: MCS9213
Subject Description: This subject provides: 1. an introduction to the Java language and some of its standard class libraries 2. experience with object oriented design and implementation techniques 3. the use of UML to document OO applications Topics will include: Java language, subset of Java class libraries (windowing, graphics, networking, threads), object oriented design and implementation, and introduction to security issues.

ITCS937 Security, Risk Management and Control in Electronic Commerce

Not on offer in 2008
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.

ITCS945 Multimedia Project

Not on offer in 2008
Credit Points: 12
Pre-requisites: 24 cp of subjects from Master of Digital Multimedia with >= 75% average
Co-requisites: None
Subject Description: This subject involves undertaking a project in an area of multimedia. Projects will be closely aligned to the content of the subjects in the Master of Multimedia, and related to the research interests of the staff. They will be chosen to develop the student's research skills. Each student will deliver a seminar on a recent paper in the area of their project. Also, each student will prepare a final thesis and deliver a multimedia seminar about the work undertaken.

ITCS949 Industry-based Information Technology Project

Not on offer in 2008
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject requires that students combine an industry-based working environment with their academic studies, i.e., students will synthesise materials drawn from other subjects within the degree currently being studied; they will apply this synthesis to an in-depth investigation of a complex problem; and they will devise or recommend creative and appropriate solutions to the problem. This will typically take the form of undertaking a substantial industry-based Information Technology project related to their employment within the Information Technology sector. The projects are to be closely aligned with current developments in Information Technology, ideally associated with project development or management. Project proposals from students must identify the area of study, and show how this relates to the course and why it is important; describe a plan for conducting the project, including consideration of appropriate methodology and techniques; and describe the anticipated results and products. Students are required to deliver an oral seminar and to prepare a final thesis on the result of the work undertaken. An academic supervisor will be appointed for each student, who will maintain frequent contact with the student throughout the project.

ITCS950 Patterns for eBusiness

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject explores advanced 'pattern-oriented' approaches to the design and development of eBusiness solutions. The 'Patterns for eBusiness' initiative provides a conceptual framework that can be exploited at all stages in the eBusiness software lifecycle. In particular, this conceptual framework and vocabulary bridges the communications gap between business analysts and systems developers seeking to devise integrated solutions for eBusiness.

ITCS952 Exploiting Collaborative Technologies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Students learn how to practically exploit Collaborative Technologies within eBusiness contexts. The concepts of Collaboration and the details of Collaborative Technologies will be investigated and explained from different eBusiness perspectives including the eBusiness Solutions perspective and the Patterns for eBusiness perspective. Examples of focus will include collaborative tools and techniques to support Knowledge Management and to support eLearning within an eBusiness solutions framework. Collaboration patterns will include modern variants of traditional categories including contextual (asynchronous) collaboration and interactive (synchronous) collaboration. Includes a practical focus ie a laboratory component that explores working with advanced collaborative applications including (for example) QuickPlace, Virtual Classroom, .NET and various extensions to the J2EE (Java 2 Enterprise Edition) platform. The subject will exploit collaborative team approaches to practical assignments.

MATH902 Solution to Differential Equations By One-Parameter Groups

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: One-parameter groups and

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Lie series, linear ordinary differential equations, first and second order ordinary differential equations, linear and non-linear partial differential equations.

MATH903 Mean Periodic Functions

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: An introduction to L. Schwartz's theory of mean periodic functions using the transform of J P Kahane. Applications to differential equations.

MATH904 Stability for Partial Differential Equations

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is concerned with parabolic and elliptic partial differential equations. The main topic is the stability of solutions under changes in initial values or other parameters connected with the equations. Some of the tools that will be used are an analysis of the spectrum for elliptic operators and the Linearization Principle.

MATH905 Functional Analysis and Control Theory

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject introduces several function spaces and then examines how they can be used in the theory of partial differential equations and control theory. Some of the topics considered will be the existence and uniqueness of solutions for hyperbolic and parabolic partial differential equations and the exact controllability for systems governed by the wave equation.

MATH912 Mathematics of Microwave Heating

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Electrostatics, Gauss' law, magnetic fields, induction, Maxwell's equations, the damped wave equation, the forced heat equation, solutions of microwave heating for constant conductivity, temperature dependent conductivity, hotspots.

MATH913 Fluid Mechanics and Wave Theory

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Hyperbolic partial differential equations, conservation laws, shallow water equations, dispersive waves, solution theory, gas dynamics, shock waves, flow past bodies, conformal mapping, aerofoil theory.

MATH914 Analytic Dynamics

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Lagrangian and Hamiltonian formulations, symmetry and conservation laws. Regular and chaotic motion. Strange attractors.

MATH915 Applied Non-Linear Partial Differential Equations

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Fluid flow in porous media. Exact solution of related nonlinear boundary value problems. Introduction to inverse scattering transforms and soliton equations. Tests for integrability of a nonlinear equation. Chaotic flows.

MATH916 Heat Conduction and Moving Boundary Problems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Solutions of the heat equation, semi-infinite media, solution by Fourier series, solutions by heat-balance, classical moving boundary problems, large Stefan number expansions, integral formulation, bounds, integral equations, polynomial approximations, boundary fixing series solutions.

MATH917 Advanced Numerical Analysis

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Solution of Ordinary and Partial Differential Equations. Integration including multiple integration. Solution of Integral Equations. The algebraic eigenvalue problem.

MATH918 Computational Fluid Mechanics

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Finite-difference and finite element methods applied to incompressible inviscid flow problems and incompressible viscous flow problems. Introduction to Boundary-element technique and its application to potential flows. The relationship between these numerical approaches will also be discussed.

MATH921 Advanced Functional Analysis

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Normed spaces, Banach spaces, linear operators, applications of the theory of linear operators to other areas of analysis such as Fourier analysis, quadrature formulae and integral equations.

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MATH922 Harmonic Analysis

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH188
Subject Description: This subject consists of a certain amount of Lebesque Integration Theory which will be applied to a discussion of various topics in the theory of Fourier Series. The generalization of Fourier Series to harmonic analysis on groups will also be considered.

MATH923 Measure and Integration

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Lebesgue measure and more general measures, measurable functions, Lebesgue integration and its properties, behaviour of integrals under taking limits, product integrals.

MATH924 Distributions

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Mikusinski's theory of convolution quotients and an introduction to L. Schwartz's theory of distributions. Properties of the space of continuous functions of a single real variable (equipped with a suitable topology) and dual space.

MATH925 Topics in Algebra

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Partially ordered sets, lattices, modular lattices, Boolean Algebras and Boolean rings, orthomodular lattices.

MATH926 Logic and Set Theory

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Axiomatic propositional and predicate logic, nonclassical logics, applications to circuit theory and logic programming, introduction to Axiomatic Set Theory.

MATH927 Combinatory Logic

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Introduction to Pure and Illature combinatory logic, relation to lambda-conversion, functionality, application to propositional and predicate calculus.

MATH928 Advanced Measure Theory

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Construction of outer, measures, Hausdorff measures, signed measures, Radon-Nikodym theorem, differentiation of measures.

MATH929 General Topology

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject is a systematic discussion of topological spaces and associated concepts which are of fundamental importance in various areas of mathematics. The topics covered will include topologies, bases and sub bases for topologies, separation properties of topologies, product and quotient topologies, and connectedness and compactness. Depending upon students' interests and backgrounds, excursions into the following or other areas are possible: topological groups, programming language semantics, elementary algebraic topology, dimension theory and cardinal invariants.

MATH931 Statistical Behaviour in Dynamical Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Two different statistical phenomena in dynamical systems are considered; recurrence and averaging. In tossing an unbiased coin, recurrence is illustrated by eventually obtaining 'heads', while averaging is illustrated by obtaining approximately the same number of 'heads' and 'tails' over a large number of tosses. The ideas are discussed in the context of systems on an interval, probability and general ergodic theory. Applications will be discussed, and these may include number theory, information theory, mathematical economics, chaos and statistical mechanics.

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

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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
Spring2008/Autumn2009 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
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
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 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH188

MATH978 Advanced Topics in Mathematics B

Not on offer in 2008
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

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH188

MATH989 Project Part 1

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH188

MATH990 Project Part 2

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: MATH188

MATH991 Project

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None

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MCS9102 Information Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ITCS905
Subject Description: This subject establishes the position of Information Systems and Information Technology in a non-programming context. Areas introduced include Human-Computer Interface, Information Modelling, Intelligent Systems, Networks, Operating Systems, Software Design and Development and Professional ethics, rights and responsibilities.

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.

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

Spring Wollongong On Campus
Autumn 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 Information Technology & Citizens' Rights

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ITCS908
Subject Description: This subject covers the body of ideas and commonly held principles that broadly apply to ethical behaviour in the information technology environment. MCS9201 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.

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 Programming and Frameworks

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-based approach and introduces topics including encapsulation, data hiding, inheritance, polymorphism and runtime binding. Templates are introduced as method of achieving generalisation. Container classes and the Standard Template Library are introduced as tools of generic programming. Graphical User Interface Design Concepts are discussed, including a framework as an example of OO design and implementation.

MCS9205 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

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software. Students will receive a formal introduction to the design process and techniques, followed by the opportunity to use modern design techniques to address real-world problems. A range of modern techniques and tools will be covered, in particular UML.

MCS9206 Markup Languages

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: ITCS201 or ITCS206
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 & Object Oriented Design

Autumn Wollongong On Campus
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 2. experience with object oriented design and implementation techniques 3. the use of UML to document OO applications Topics will include: Java language, subset of Java class libraries (windowing, graphics, networking, threads), object oriented design and implementation, and introduction to security issues.

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

MCS9301 Information and Communication Security Issues

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9201 or ITCS908
Co-requisites: None
Subject Description: This subject will examine current controls, both legislative and technical, aimed at maintaining data integrity, ease of access to information, and protection of ownership, in the light of on going developments in computer security, multimedia communications, international electronic networks, and electronic publishing. The subject will cover communication security; issues relating to the monitoring of international agreements; OECD guidelines for security of information; maintaining privacy provisions; password security; and future IT developments and their implications for monitoring intellectual property rights and communication security.

MCS9303 World Wide Networking

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9102
Co-requisites: None
Exclusions: ITCS923
Subject Description: This subject investigates topics such as the following within the context of world wide networking: Web Technologies & Protocols; Software Development and Quality Assurance for Web Applications; Network Security; Client-side and Server-side Practical Tools for the Web; Local and International Web-based Policy and Practice in Education, Business and Government; Content Management for the Web; Current Legal Issues and the Web; and Web Services. Emphasis will be placed on group work with students required to participate in problem solving communications tasks. Web based activities will be an essential element in the conduct of this subject. Other activities may include: the running of a bulletin board or Internet mailing list or the maintenance of a World Wide Web site.

MCS9315 Database Design and Implementation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9235
Co-requisites: None
Exclusions: ITCS921

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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: None
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 of internetworking and distributed systems. Physical communications media are introduced, then the focus shifts to network protocols (TCP/IP), then client-server model and the sockets interface. Other topics to be covered include network addressing and security (firewalls). Real-world programming examples from Unix and Windows-NT environments will be presented. Students will undertake laboratory exercises on Linux-based PCs.

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.

MCS9334 Real Time Programming

Not on offer in 2008
Credit Points: 6
Pre-requisites: MCS9114
Co-requisites: None
Subject Description: The emphasis of this subject is on low-level interfacing of computer peripherals in high-level languages. Students will be required to complete a number of practical assignments. Topics to be covered will include (a) Motorola MC68HC12 Programmer's model, (b) interrupt handling, (c) I/O registers, (d) data input, error detection and correction, filtering, storage and output, (e) programmable chips for digital, serial, analog and disk I/O, graphics, memory management and real-time clocks.

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

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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.

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.

STAT901 Modern Inference

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Introduction to programming in S-Plus; 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

Autumn Wollongong On Campus
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 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Prediction theory; Linear models: identification, estimation, diagnostic checking; Multivariate models.

STAT906 Experimental Design

Not on offer in 2008
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 Multiple Regression and Time Series

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Exclusions: STAT332
Subject Description: STAT921 is an advanced course covering relationships between variables and the analysis of observational studies and designed experiments. Topics covered include multiple linear regression, non-linear regression, generalised linear regression, ARIMA models, forecasting of time series and Box-Jenkin's approach.

STAT922 Statistical Inference and Multivariate Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisites: None

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Exclusions: STAT333
Subject Description: STAT922 covers inference (estimation and hypothesis testing) in both one and many dimensions. Topics covered include transformations, maximum likelihood and minimum variance unbiased estimation, the likelihood ratio, score and Wald tests, vector random variables, the multivariate Normal distribution, principal components analysis, factor analysis and discriminant analysis.

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.

STAT941 Statistical Quality Control 1

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Why control charts?; Level of variability; Differences between specification limits and control limits; Deming's philosophy; Quality circles; Cause and effect diagrams; Pareto diagrams; Control charts; Benefits of using control charts; Shewhart charts, such as x-charts, c-charts, p-charts, R-charts, s-charts; Cumulative sum (CUSUM) control charts; Exponentially weighted moving averages; Moving average and moving range charts; Average run length of the above mentioned control charts; Comparison of charting methods; Process capability indices; Determining process capability using control charts; Some case studies.

STAT942 Design and Analysis For Quality Control

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Experimental design; Principles of design; Importance of randomisation; Randomised block designs; Factorial designs; Fractional factorials; Taguchi's philosophy and how it relates to experimental design; Introduction to variance components; Fixed models as opposed to random (mixed) models; Estimation of variance components; Evolutionary processes.

STAT943 Statistical Quality Control 2

Not on offer in 2008
Credit Points: 6
Pre-requisites: MATH188
Co-requisites: None

STAT944 Regression and Observational Studies

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Linear regression; Regression diagnostics; Multicollinearity; Residual analysis; Response surface methodology; Logistic regression; Planning of observational studies; Effects of matching and covariates as controls. Concepts of confounding.

STAT949 Statistical Thinking

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The importance of variability; Why statistics?; Statistics and quality; Exploratory data analysis; Numerical and graphical summaries; Measures of location and spread; Elementary probability; The Binomial; Poisson and Normal Distributions; The role of the Central Limit Theorem in statistics; The nature and purpose of statistical inference; Point estimation and confidence intervals; Concepts of hypothesis testing; Simulation techniques; Sampling methods; Elementary control charts.

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

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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 2008
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 2008
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

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

STAT991 Project

Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None

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Faculty of Law

Courses Offered

Research

Doctor of Philosophy
Master of Laws – Research
Master of Laws - Research (Natural Resources Law)
Master of Maritime Studies – Research
Master of Natural Resources Law – Research

Coursework

Master of Laws (International and Comparative)
Master of Laws in Prosecutions
Master of Maritime Studies
Master of Maritime Policy
Master of Transnational Crime Prevention
Graduate Diploma in Legal Practice
Graduate Diploma in Law (Prosecutions)
Graduate Certificate in Law (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/index.html
International - www.uow.edu.au/prospective/international/fees/

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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	48 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

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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.

Advanced Standing

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
LAW993	Research Project (Minor Thesis)	8
LAW994	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.

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Master of Laws - Research (Natural Resources Law)

Testamur Title of Degree:	Master of Laws – Research (Natural Resources Law)
Abbreviation:	MLaws - Res (NRL)
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 and Natural Resources.

Entry Requirements / Assumed Knowledge

Candidates should have an undergraduate degree in Law from a recognised institution or recognised overseas equivalent.

Advanced Standing

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
LAW993	Research Project (Minor Thesis)	8
LAW994	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

Master of Maritime Studies - Research

Testamur Title of Degree:	Master of Maritime Studies - Research
Abbreviation:	MMS - 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.

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Advanced Standing

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
CMP911	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 Natural Resources Law - Research

Testamur Title of Degree:	Master of Natural Resources Law - Research
Abbreviation:	MNRL – 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:	1318
CRICOS Code:	042537G

Overview

This course enables candidates to complete supervised research in an area of Natural Resources law.

Entry Requirements / Assumed Knowledge

Candidates should have a recognised undergraduate degree.

Advanced Standing

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 Degree at undergraduate level.

Course Requirements

Candidates are required to satisfactorily complete a 48 credit point research paper plus 24 credit points of coursework prior to completion of the thesis.

Course Program

Subjects		Credit Points
LAW993	Research Project (Minor Thesis)	8
LAW994	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

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Master of Laws (International and Comparative)

Testamur Title of Degree:	Master of Laws (International and Comparative)
Abbreviation:	LLM (I & C)
Home Faculty:	Law
Duration:	1 year full-time
Total Credit Points:	48
Starting Session(s):	Spring
Location:	Wollongong
UOW Course Code:	584
CRICOS Code:	012118J

Overview

This program is designed to introduce students from a range of different countries and legal systems to the principles of international and comparative law. Students may also study and research various aspects of natural resources law, commercial law and the Anglo-American system of common law as it is practised in Australia.

Options cater to students from civil law and common law countries and those who do not use English as their language of first choice.

Entry Requirements / Assumed Knowledge

Students should have an undergraduate degree in law from a recognised institution, or recognised overseas equivalent.

Course Requirements

Students are required to satisfactorily complete 48 credit points, comprising compulsory subjects, research essay and other subjects chosen from the Course Program to complement the student's background and interests.

Course Program

Subjects		Credit Points
Prescribed Subjects		
LLB9100	Introduction to Legal Systems	8
LLB9343	International Law	8
LLB9337	Comparative Studies in Law	8
LAW993	Research Essay	8
Options: Language and Skills		
ELL901	English for Postgraduate Studies 1	6
or		
ELL903	English for Postgraduate Studies 2	6
LLB9395	Legal Research and Writing	2
Options: Specialist Subjects		
LAW923	Law of the Sea	8
LAW924	International Environmental Law	8
LLB9301	Evidence	8
LLB9305	Property and Trusts A	8
LLB9307	Law of Torts	8
LLB9320	Commercial and Consumer Contracts	8
LLB9330	Law of Employment	8
LLB9331	Intellectual Property Law	8
LLB9332	Labour Relations Law	8
LLB9335	Anti-Discrimination Law	8
LLB9344	Indigenous Peoples and Legal Systems	8
LLB9348	Media Law	8
LLB9350	Special Study in Law A	8
LLB9351	Special Study in Law B	8
LLB9362	Advanced Revenue Law	8

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NOTE: Not all optional subjects are offered every year. Students are advised to contact the Faculty before enrolling.

Master of Laws in Prosecutions

Testamur Title of Degree:	Master of Laws in Prosecutions
Abbreviation:	LLM (Prosecutions)
Home Faculty:	Law
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Starting Session(s):	Autumn/Spring/Summer
Campus:	Wollongong
UOW Course Code:	1564
CRICOS Code:	058978G

Overview

This program is designed specifically to address the educational needs of students with a special knowledge of or interest in criminal prosecutions. 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:

i) IELTS overall band 7.0 or

ii) 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.

Advanced Standing

The courses in Prosecutions are fully articulating. Graduates of the Graduate Diploma in Law (Prosecutions) can complete the Masters degree with an additional 24 credit points from the subjects listed in the Course Program.

Course Requirements

Students are required to satisfactorily complete 72 credit points, comprising a 12 credit point research paper and ten subjects (60 credit points) from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Prescribed Subject		
LWPD920	Prosecutions Research Project	12
Elective Subjects		
LWPD901	Applied Criminal Law	6
LWPD902	Advanced Criminal Evidence	6
LWPD904	Advocacy Practicum	6
LWPD907	International Law and Criminal Jurisdiction	6
LWPD908	International Developments in Civil Rights	6
LWPD909	Studies in Transnational Crime and Transnational Criminal Law	6
LWPD910	Cooperation in International Criminal Justice	6
LWPD911	Introduction to Common Law Systems	6
LWPD912	Prosecuting International Humanitarian Law	6
LWPD913	Prosecuting Cybercrime	6
LWPD914	Comparative Criminal Justice	6
LWPD915	Criminal Appellate Advocacy	6
LWPD916	Prosecuting Transnational Economic Crime	6
LWPD917	Military Prosecutions	6
LWPD918	Technical and Forensic Evidence	6

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LWPD919	Special Studies in Prosecutions	6
LWPD921	Expert Evidence	6
LWPD922	Research Paper in Prosecutions	12
LWPD923	Prosecutorial Practice	6
LWPD924	Court Practice	6
LWPD925	DNA for Lawyers	6
LWPD926	Experts and their Evidence	6

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

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
Campus:	Wollongong
UOW Course Code:	520L
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.

Advanced Standing

Students who have completed the Graduate Certificate in Maritime Studies may be eligible for 8 credit points of advanced standing in recognition of professional experience or prior learning.

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		
CMP902	Law of the Sea	8
CMP911	Research Project in Maritime Studies	8
Elective Subjects		
CMP901	Strategy and Sea Power	8
CMP904	Maritime Regulation and Enforcement	8
CMP905	Legal Regulation of Shipping	8
CMP906	Comparative Oceans Policy	8
CMP907	Maritime Security Law and Policy	8
CMP908	Contemporary Maritime Issues in the Asia-Pacific Region	8
CMP909	International Marine Environmental Law	8
CMP910	Special Topic in Maritime Studies	8
CMP912	Minor Thesis in Maritime Studies	16
CMP913	Integrated Marine and Coastal Management	8
CMP914	International Fisheries Law	8
CMP915	Marine and Coastal Resources Management	8

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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:	MMP
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
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		
CMP902	Law of the Sea	8
CMP906	Comparative Oceans Policy	8
Elective Subjects		
CMP901	Strategy and Sea Power	8
CMP904	Maritime Regulation and Enforcement	8
CMP905	Legal Regulation of Shipping	8
CMP907	Maritime Security Law and Policy	8
CMP908	Contemporary Maritime Issues in the Asia-Pacific Region	8
CMP909	International Marine Environmental Law	8
CMP910	Special Topic in Maritime Studies	8
CMP911	Research Project in Maritime Studies	8
CMP912	Minor Thesis in Maritime Studies	16
CMP913	Integrated Marine and Coastal Management	8
CMP914	International Fisheries Law	8
CMP915	Marine and Coastal Resources Management	8

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

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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
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1516, FP1516
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.

Advanced Standing

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		
LEGL955	Issues in Comparative Criminal Justice	6
LEGL958	Studies in International Criminal Law	6
Elective Subjects		
LEGL952	Cyber Crime	6
LEGL953	Financial Investigations	6
LEGL954	International Corporate Crime	6
LEGL956	Major Research Project	12
LEGL957	Security Intelligence and Policy	6
LEGL959	International Cooperation and Transnational Crime	6
LEGL960	Issues in Transnational Organised 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

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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
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	637, FP637
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 Practitioners 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
LLB843	Professional Practice or	8
LLB847	Professional Experience*	0
LLB844	Practice Management	8
LLB845	Conducting Litigation	16
LLB846	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 Practitioners 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 Practitioners 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.

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Graduate Diploma in Law (Prosecutions)

Testamur Title of Degree:	Graduate Diploma in Law (Prosecutions)
Abbreviation:	GDipLaw (Pros)
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	681
CRICOS Code:	058979F

Overview

This program is designed specifically to address the educational needs of students with a special knowledge of or interest in criminal prosecutions. 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:

i) IELTS overall band 7.0 or

ii) 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.

Advanced Standing

The courses in Prosecutions are fully articulating. Students completing the Graduate Certificate in Law (Prosecutions) can attain the Graduate Diploma in Law (Prosecutions) by completing four subjects from the Course Program. Graduates of the Graduate Diploma can complete the Masters degree with an additional 24 credit points from the subjects listed in the Course Program.

Course Requirements

Students are required to satisfactorily complete 48 credit points from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
LWPD901	Applied Criminal Law	6
LWPD902	Advanced Criminal Evidence	6
LWPD904	Advocacy Practicum	6
LWPD907	International Law and Criminal Jurisdiction	6
LWPD908	International Developments in Civil Rights	6
LWPD909	Studies in Transnational Crime and Transnational Criminal Law	6
LWPD910	Cooperation in International Criminal Justice	6
LWPD911	Introduction to Common Law Systems	6
LWPD912	Prosecuting International Humanitarian Law	6
LWPD913	Prosecuting Cybercrime	6
LWPD914	Comparative Criminal Justice	6
LWPD915	Criminal Appellate Advocacy	6
LWPD916	Prosecuting Transnational Economic Crime	6
LWPD917	Military Prosecutions	6
LWPD918	Technical and Forensic Evidence	6
LWPD919	Special Studies in Prosecutions	6
LWPD921	Expert Evidence	6
LWPD922	Research Paper in Prosecutions	12
LWPD923	Prosecutorial Practice	6

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LWPD924	Court Practice	6
LWPD925	DNA for Lawyers	6
LWPD926	Experts and their Evidence	6

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

Graduate Certificate in Law (Prosecutions)

Testamur Title of Degree:	Graduate Certificate in Law (Prosecutions)
Abbreviation:	GCertLaw (Pros)
Home Faculty:	Law
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1159
CRICOS Code:	058980B

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:

i) IELTS overall band 7.0 or

ii) 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.

Advanced Standing

The courses in Prosecutions are fully articulating. Students completing the Graduate Certificate in Law (Prosecutions) can attain the Graduate Diploma in Law (Prosecutions) by completing a 24 credit points from the Course Program. Graduates of the Graduate Diploma can complete the Masters degree with an additional 24 credit points from the subjects listed in the Course Program.

Course Requirements

Students are required to satisfactorily complete 24 credit points from the subjects listed in the Course Program.

Subjects		Credit Points
LWPD901	Applied Criminal Law	6
LWPD902	Advanced Criminal Evidence	6
LWPD904	Advocacy Practicum	6
LWPD907	International Law and Criminal Jurisdiction	6
LWPD908	International Developments in Civil Rights	6
LWPD909	Studies in Transnational Crime and Transnational Criminal Law	6
LWPD910	Cooperation in International Criminal Justice	6
LWPD911	Introduction to Common Law Systems	6
LWPD912	Prosecuting International Humanitarian Law	6
LWPD913	Prosecuting Cybercrime	6
LWPD914	Comparative Criminal Justice	6
LWPD915	Criminal Appellate Advocacy	6
LWPD916	Prosecuting Transnational Economic Crime	6
LWPD917	Military Prosecutions	6
LWPD918	Technical and Forensic Evidence	6

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LWPD919	Special Studies in Prosecutions	6
LWPD921	Expert Evidence	6
LWPD922	Research Paper in Prosecutions	12
LWPD923	Prosecutorial Practice	6
LWPD924	Court Practice	6
LWPD925	DNA for Lawyers	6
LWPD926	Experts and their Evidence	6

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
CMP901	Strategy and Sea Power	8
CMP902	Law of the Sea	8
CMP905	Legal Regulation of Shipping	8
CMP908	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.

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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
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
LEGL952	Cyber Crime	6
LEGL953	Financial Investigations	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	Issues in Transnational Organised 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.

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SUBJECT DESCRIPTIONS

CMP 901 Strategy and Sea Power

Not on offer in 2008
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

Spring Wollongong On Campus
Autumn 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 2008
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

Spring Wollongong On Campus
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

Spring Wollongong On Campus
Autumn 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/

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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 2008
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

Autumn Wollongong Distance
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 2008
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 Marine and Coastal Resources Management

Not on offer in 2008
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.

LAW 930 Research Project in Natural Resources Law

Not on offer in 2008
Credit Points: 24
Pre-requisites: 48 credit points at 900 level from the Natural Resources Law & Policy course
Co-requisites: 48 credit points at 900 level from the Natural Resources Law & Policy course
Subject Description: Content as arranged.

LAW 950 Foreign Investment Law in the People's Republic of China

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: An analysis of the laws and procedures regulating foreign investment in, and trade with, the PRC. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation, customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.

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

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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 993 Research Essay

Spring Wollongong On Campus
Autumn 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. Information may be obtained from the Postgraduate Co-ordinator or Sub-Dean regarding the research essay.

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 2008
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 and developments that e-commerce gives rise to. The main perspective is that of the on-line business and its risk management needs for achieving business success. This brings the interests of suppliers consumers and regulators into focus. We begin with an overview of the cyber-marketplace and relevant public policy considerations. Then we adopt a timeline approach focusing on those issues and developments most relevant at start up and once the business opens for on-line trading. Start up introduces intellectual property law, privacy and transactional security issues and responses. On-line trading raises identity, contract, consumer protection, payment systems and jurisdictional issues and responses. Finally, we turn to an area for special study. Students will be invited to select that area, for example from among the issues and developments relating to the infrastructure constituting the cyber-marketplace.

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 candidates to develop a critical understanding of the law in relation to environmental regulation and management in Australia, with particular emphasis on NSW, including the limitations of legal instruments in achieving environmental objectives.

LEGL910 International Cooperation in Crime Prevention

Not on offer in 2008
Credit Points: 4
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

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power, global politics, and key international institutions so as to understand the contextual framework of controlling and combating transnational crime, and the ways in which states both cooperate and sometimes refuse cooperation. We look at transnational crime in a globalizing world and the mechanisms created by states to limit state failure, terrorism and criminal activities such as money laundering and the smuggling of drugs, people and arms. We also examine the creation of the International Criminal Court and its record in the apprehension and prosecution of those responsible for genocide and crimes against humanity.

LEGL911 International Criminal Law

Not on offer in 2008
Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: International law related to national extraterritorial regulatory and enforcement jurisdiction, mutual assistance and extradition, and international crimes and tribunals. Includes an overview of relevant international instruments such as the UN Narcotic Drugs and Psychotropic Substances Treaty, the Statute of the International Criminal Court, the Draft UN Convention against Transnational Organised Crime, the Law of the Sea Convention, and bilateral instruments such as extradition treaties and mutual assistance treaties.

LEGL912 Comparative Criminal Justice

Not on offer in 2008
Credit Points: 4
Pre-requisites: None
Co-requisites: None
Subject Description: Common Law, civil law and shari'a criminal justice systems are compared with the objective of developing an appreciation of different legal systems, cultures and ethics. International criminal procedure is examined including international policing cooperation.

LEGL913 Intelligence and Policy in the New Security Environment

Not on offer in 2008
Credit Points: 4
Pre-requisites: LEGL911 International Criminal Law
Co-requisites: None
Subject Description: This subject will provide an understanding of intelligence, its purposes, its successes and failures and its history. It will examine the increasing intersection of law enforcement and national security and consider what this means for intelligence. It will describe the intelligence cycle and some of the broad methodologies of intelligence, particularly in the contexts of the information revolution and globalisation. It will explore the attributes of a good intelligence analyst. It will examine methods for cooperating between jurisdictions. And finally, it will consider ethical issues surrounding intelligence, such as the intelligence-policy relationship and issues related to privacy of personal data.

LEGL920 Transnational Corporate Crime

Not on offer in 2008
Credit Points: 4
Pre-requisites: None
Co-requisites: LEGL911 International Criminal Law
Subject Description: Fraud, money laundering, tax evasion and tax havens, securities offences, corporate structures including holding companies and subsidiaries, directors' responsibilities. Case studies and examples provided by relevant guest lecturers from government and commerce.

LEGL921 Crime and Transnational Financial Transactions

Not on offer in 2008
Credit Points: 4
Pre-requisites: None
Co-requisites: LEGL911 International Criminal Law
Subject Description: The subject focuses on the implications of fraud for the financial sector. It entails analysis of fraudulent activity in financial transactions, e.g. letters of credit, credit cards, electronic transfers, insurance, banking codes, and other banking procedures, together with the rules governing the disclosure of account holders and other forms of government record tracing.

LEGL922 Financial Investigations Practice and Procedure

Not on offer in 2008
Credit Points: 4
Pre-requisites: None
Co-requisites: LEGL911 International Criminal Law
Subject Description: This subject focuses on the investigation of accounts and other relevant financial information held by financial organisations. It entails analysis of financial and other account information, auditing of accounts, and accountant and lawyer ethics and responsibilities eg. in relation to confidentiality, search warrants and subpoenas.

LEGL923 Crime and Information Technology Regulation

Not on offer in 2008
Credit Points: 4
Pre-requisites: None
Co-requisites: LEGL911 International Criminal Law
Subject Description: The subject focuses on the implications of developments in information technology for corporate and governmental security. It entails analysis of E-commerce regimes, theft of services and intellectual property and information piracy, dissemination of offensive materials, money laundering, vandalism, illegal interception, fraud, mobility and location of crime together with the rules governing the disclosure of account holders by Internet Service Providers (ISP) and forensic skills.

LEGL930 Legal Research and Writing

Not on offer in 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: The subject is intended to introduce students to the particular characteristics of legal research and writing relevant to the Master of Transnational Crime Prevention (MTCP) program. The subject content is similar to that offered by the Faculty in LLB9395 Legal Research and Writing.

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LEGL931 Computing and Statistical Skills

Not on offer in 2008
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: The subject is intended to introduce students to the application of information technology in legal and financial work, including information retrieval, litigation support, property (land) transactions, company searches, court and office management and the use of expert systems. The subject content is similar to that offered by the Faculty in LLB390.

LEGL940 Transnational Organised Crime

Not on offer in 2008
Credit Points: 8
Pre-requisites: LEGL 911 International Criminal Law
Co-requisites: None
Subject Description: All students will undertake a common core module on the analysis and structure of transnational organised crime, including the sociology of the development of such crime. Thereafter, students will choose one case study on serious organised crime to be selected from Terrorism, Banking Fraud, Firearms Trafficking, Narcotics, People Trafficking, Environmental Crime, Maritime Crime and Intellectual Property Crimes. Examples and case studies will be provided by relevant experts from Government and Commerce.

LEGL950 Transnational Crime Prevention Research Project

Not on offer in 2008
Credit Points: 8
Pre-requisites: 24 credit points of LEGL subjects
Co-requisites: None
Subject Description: Students will research and write a dissertation of approximately 10,000 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.

LEGL951 Special Studies in Transnational Crime and Prevention

Not on offer in 2008
Credit Points: 8
Pre-requisites: 24 credit points of LEGL subjects
Co-requisites: None
Subject Description: This subject permits the inclusion in the Master of Transnational Crime Prevention (MTCP) program of an indepth study of a particular aspect of transnational crime prevention within the specialisation of a visiting expert, which would otherwise not be offered by the Faculty.

LEGL952 Cyber Crime

Spring	Wollongong	Flexible
Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the mobility and location of crime and the challenges posted to law enforcement and regulators when attempting to design and implement effective rules and laws to combat the growing threat of transnational crime. Finally the impact on society and the individual is considered.

LEGL953 Financial Investigations

Spring	Wollongong	Flexible
Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject focuses on the investigation of accounts and other relevant financial information held by financial organisations. It entails analysis of financial and other account information, auditing of accounts, and accountant and lawyer ethics and responsibilities eg. in relation to confidentiality, search warrants and subpoenas.

LEGL954 International Corporate Crime

Spring	Wollongong	Flexible
Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Fraud, money laundering, tax evasion and tax havens, securities offences, corporate structures including holding companies and subsidiaries, directors' responsibilities. Case studies and examples provided by relevant guest lecturers from government and commerce.

LEGL955 Issues in Comparative Criminal Justice

Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Common Law, civil law and shari'a criminal justice systems are compared with the objective of developing an appreciation of different legal systems, cultures and ethics. International criminal procedure is examined including international policing cooperation.

LEGL956 Major Research Project - Transnational Crime Prevention

Autumn	Wollongong	Distance
Spring	Wollongong	Distance
Annual	Wollongong	Distance

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.

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LEGL957 Security Intelligence and Policy

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide an understanding of intelligence, its purposes, its successes and failures and its history. It will examine the increasing intersection of law enforcement and national security and consider what this means for intelligence. It will describe the intelligence cycle and some of the broad methodologies of intelligence, particularly in the contexts of the information revolution and globalisation. It will examine methods for cooperating between jurisdictions. And finally, it will consider ethical issues surrounding intelligence, such as the intelligence-policy relationship and issues related to privacy of personal data.

LEGL958 Studies in International Criminal Law

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject looks at international law related to national extraterritorial regulatory and enforcement jurisdictions, mutual assistance and extradition and, international crimes and tribunals. It includes an overview of relevant international instruments such as the UN Narcotic Drugs and Psychotropic Substances Treaty, the OECD Convention Bribery, the draft UN Convention against Transnational Organised Crime, the Law of the Sea Convention and bilateral instruments such as extradition treaties and mutual assistance treaties.

LEGL959 International Cooperation and Transnational Crime

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Transnational crime in a globalising world is examined as are the mechanisms created by states to limit state failure, terrorism and criminal activities such as money laundering and the smuggling of drugs, people and arms. Also examined is the creation of the International Criminal Court and its record in the apprehension of those responsible for genocide and crimes against humanity.

LEGL960 Issues in Transnational Organised Crime

Spring Wollongong Flexible
Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject considers organised crime in transnational context focusing on the environment that has led to the development of transnational organised crime groups. By examining such groups, their structures and lines of communication and risk management strategies they employ to achieve their objectives, greater awareness of the effectiveness of international and governmental crime prevention policies and other initiatives is reached. Consideration is given to potential future initiatives and directions in the prevention and investigation of transnational organised crime.

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

Spring 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
Autumn 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
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The subject focuses on the financial system, both domestically and internationally,

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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. It is intended to assist students in critically evaluating the role of the financial system, the influence of various social, political and economic factors that impact on the use and misuse of that system, and allow the students to develop ideas to strengthen the financial system against financial crime.

LEGL965 Issues in Transnational Security

Not on offer in 2008
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

Spring2008/Autumn2009	Wollongong	Flexible
Annual	Wollongong	Flexible
Autumn	Wollongong	Flexible
Spring	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

Spring	Wollongong	Flexible
Autumn	Wollongong	Flexible
Spring2008/Autumn2009	Wollongong	Flexible
Annual	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

Spring	Wollongong	Flexible
Autumn	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

Autumn	Wollongong	Flexible
Spring	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.

LLB 930 Research Project in Natural Resources Law

Not on offer in 2008
Credit Points: 24
Pre-requisites: None
Co-requisites: None

LLB 950 Foreign Investment Law in the People's Republic of China

Not on offer in 2008
Credit Points: 8
Pre-requisites: Refer to Faculty
Co-requisites: None
Subject Description: An analysis of the law and procedures regulating foreign investment in, and trade with, the PRC. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation,

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customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.

LLB9100 Introduction to Legal Systems

Spring Wollongong On Campus
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.

LLB9210 Law of Contracts

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: LLB9100
Subject Description: LLB9210 introduces students to the substantive law of contract. Using the casebook method, students study the legal principles governing the formation, performance and discharge of contracts. Topics covered include the requirements for a valid contract (agreement, consideration and intention to create legal relations), finding and interpreting the terms of a contract, the impact of vitiating factors (such as misrepresentation, mistake, undue influence, duress and unconscionability), the operation of the doctrines of privity and frustration, and the consequences of performance, defective performance or non performance of a contract.

LLB9301 Evidence

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB9210
Co-requisites: None
Subject Description: Students will be introduced to the rules relating to the sources and admissibility of evidience in civil and criminal trials. Topics will include the burden and standard of proof; the examination of witnesses; credibility, character and tendency evidence; documentary evidence; and the rules in relation to opinion evidence, hearsay, confessions and admissions; illegally obtained evidence; discretions and warnings.

LLB9302 Law of Business Organisations

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9210
Co-requisites: None
Subject Description: The subject introduces the central concerns of a law of organisations, and of the law of business organisations, and the public policies informing the development of the Australian legal response. The range of organisations available for business and non-business purposes and their legal regulation are overviewed. Partnerships and companies and their legal regulations are considered in depth, including current policy issues.

LLB9303 Family, Children and Welfare

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: None
Subject Description: The subject examines the legislative framework and common law principles applicable to both the legal recognition of relationships and the resolution of disputes arising from the breakdown of those relationships. Areas covered include: marriage; divorce; nullity; disputes in relation to children under the Family Law Act, 1975 (Cth); property and maintenance disputes for both married and non-married couples; child support and child maintenance; family violence under state and federal legislation; international abduction. The subject also looks at the related areas of state child welfare proceedings and adoption. The course examines what 'family' means today and the challenges our legal system faces in dealing with this fluid concept and recognizing diverse family structures and relationships.

LLB9305 Property and Trusts A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9210
Co-requisites: None
Subject Description: Consideration of the notion of property and interests in property; the distinctions between 'real, personal and intangible' property; legal and equitable interests in property and the notion of title; the notion of ownership; legal protection of property interests. The relationship of landlord and tenant; easements and covenants.

LLB9306 Property and Trusts B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9305
Co-requisites: None
Subject Description: The modern law of real property, including Torrens title, mortgages and co-ownership. Legal and equitable principles relating to the validity of gifts. The law of express trusts, including the powers and obligations of trustees, and remedies of the beneficiary for breach of trust.

LLB9307 Law of Torts

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: None
Subject Description: After a general introduction to legal and policy issues surrounding tort law, students will commence with a study of the torts of trespass, nuisance and the action on the case for wilful injury. Students will then spend the bulk of our time considering the principles governing liability in negligence. Finally, students will consider the impact of statute law on common law tort principles, in particular the recent attempts to limit civil liability.

LLB9308 Public Law A

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: None
Subject Description: The notion of the state and state power; limitations on state power; the constitutional structure of the Australian nation-state; the notion

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of division and separation of powers; mechanisms of accountability and control of government officials, including access to government information, the Ombudsman, merits review tribunals and judicial review.

LLB9309 Public Law B

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9308
Co-requisites: None
Subject Description: Division of power between Commonwealth and State legislatures; the structure and powers of State and Commonwealth governments, with special emphasis on the limitation of the legislative power of the Commonwealth; the place of the judiciary and judicial review of legislative and executive power; Commonwealth and State fiscal powers; express and implied constitutional rights; constitutional change; the Constitution and Indigenous Australians.

LLB9312 Legal Theory

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9100 Introduction to Legal Systems
Co-requisites: None
Subject Description: This subject addresses a range of fundamental issudes in jurisprudence, revolving around the nature of law, the basis for legal authority, the scope and limits of law, and the relationship between law, morality and values such as justice, liberty and autonomy.

LLB9320 Commercial and Consumer Contracts

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: The special rules relating to common commercial contracts, such as contracts of agency, contracts for the sale of goods, insurance contracts, and contracts of carriage; statutory restrictions on contracts.

LLB9321 Banking Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB9210
Co-requisites: None
Subject Description: LLB321 Banking Law is designed to develop in students a sound understanding of the law governing financial institutions in Australia, and the manner in which these institutions are regulated. The relationship between financial institutions and their customers will be examined, along with the impact of recent technological developments on this relationship and on the business of banking. The law dealing with cheques and other negotiable instruments will be discussed in detail. The issue of security for transactions with financial institutions will be analysed, along with the position of banks as creditors when a customer becomes bankrupt.

LLB9330 Law of Employment

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9210
Co-requisites: None
Subject Description: An overview of the rights and duties of individual employers and employees under common law and selected legislation, including: formation, content and termination of the contract of employment; implied duties of employers and employees; remedies at common law; unfair dismissal legislation; statute-derived employment conditions; unfair work contracts; occupational health and safety.

LLB9331 Intellectual Property Law

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: None
Subject Description: This subject provides an overview of the field of intellectual property law commencing with an analysis of the 2 major and oldest forms of intellectual property - copyright and patents. The course then moves on to the methods of protecting business reputation both at common law/equity, and through the registration of trade marks. Other more recent forms of intellectual property are also covered, such as plant breeder's rights, designs and circuit layouts.

LLB9332 Labour Regulation

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: This subject examines the legal regulation of work and labour relations in Australia. After analysing ideas and methods underpinning regulation of the 'labour market' by law, the current system under the Workplace Relations Act (Workchoices amendments) will be studied by reference to the history of labour regulation in Australia (common law, compulsory arbitration), comparisons with other countries, and international law under the International Labour Organisation. The subject will study regulation of: institutions and relationships, standard minimum pay and conditions, grievance and dispute resolution (including unfair dismissal), individual and collective bargaining and agreements, regulation of trade unions, law of strikes and industrial action. Students will be assessed in this subject on their critical analysis and evaluation of complex issues, with a group research presentation, an individual research essay and a final exam.

LLB9334 Environmental Law

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: LLB9100
Subject Description: The goal of this subject is to enable candidates to develop a critical understanding of the law in relation to environmental regulation and management in Australia, with particular emphasis on NSW, including the limitations of legal instruments in achieving environmental policy objectives, the assessment of development proposals and the role of the Land & Environment Court.

LLB9335 Anti-Discrimination Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: None
Subject Description: An analysis and appraisal of

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laws prohibiting discrimination in Australia on various grounds, including: sex, marital status, race, disability, age, sexual preference and transgender. Laws prohibiting harassment and vilification will also be examined. The subject includes exploration of the aims and social context of anti-discrimination legislation, as well as related concepts such as equal opportunity, social justice and affirmative action. Examination of processes for complaints, dispute resolution and enforcement, and powers of investigative and adjudicatory bodies.

LLB9336 Regulation of Business

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: None
Subject Description: This course is concerned with the law controlling the sale and distribution of products and services, credit, restrictive trade practices and other aspects of the commercial environment. It examines the relation of production and consumption in the economy and the law, the policies and legal rules intended to protect consumers, and legal remedies and institutions which are designed to offer assistance to consumers. Consumer protection is related to business regulation and restrictive trade practices (competition law) since both these areas seek to supplement and support market and other mechanisms which ensure that consumers get the goods and services that they want, at a fair price, and without risk of injury or deception. There is also an examination of consumerism as a world-wide phenomenon with specific emphasis on the international consumer movement and consumer rights as well as anti-competitive concerns about intellectual property in the context of the multilateral trading system of the WTO.

LLB9337 Comparative Studies in Law

Autumn Wollongong On Campus
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.

LLB9338 International Trade Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: A Law degree
Co-requisites: None
Subject Description: Public and private law aspects of international trade and investment, including contracts, transport, insurance and the settlement of international commercial disputes, the role of the World Trade Organisation, its regime of trade regulation and dispute resolution mechanisms, multilateral agreement on trade in services, and the financing of international transactions.

LLB9341 Revenue Law

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Revenue Law, or taxation law, is one of the highly technical fields of law bringing together economic, accounting and financial concepts into a legal construct for the determination of how the costs of good government are to be shared among the members of society. Taxation pervades everyone's life in some way, whether in the form of income tax, for instance, or some form of consumption or other tax. LLB9341 is confined to the Income Tax Assessment Act (1936/97), the Fringe Benefits Tax Assessment Act and associated legislation. these fields alone provide more than enough content for a one semester subject, but are essential for those students seeking registration as CPAs or Chartered Accountants after completing their Degree.

LLB9343 International Law

Spring Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: Sources of international law; the relationship between domestic law and international law; the law of treaties; the structure of the international legal system; statehood, state jurisdiction, state responibility, nationality and refugees.

LLB9344 Indigenous Peoples and Legal Systems

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: None
Subject Description: This subject is an introduction to the relationship between Indigenous and non-Indigenous laws and legal systems in Australia. It considers the nature and status of Aboriginal and Torres Strait Islander laws, and explores some of the specific legal issues of current relevance to Indigenous peoples in Australia. Topics include the impact of European colonisation, over-representation in the criminal justice system, land rights and native title, recognition of Aboriginal law, and self-determination.

LLB9348 Media Law

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: None
Subject Description: The media plays an increasingly significant role in informing and constituting our society. The subject studies the main areas of Australian law that particularly affect the media and the diverse and competing public policy considerations that do or might justifiably underlie and shape that law.

LLB9349 Feminism and Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: None
Subject Description: This subject introduces the major themes in feminist thought and modes of contemporary feminist scholarship and applies them to law, legal institutions and the practice of law in Australia. It provides a foundation for future analysis

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of substantive and procedural law by students and subjects the institutions of law and their practitioners to scrutiny from a feminist perspective.

LLB9350 Special Study in Law A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: An indepth study of a selected area of law.

LLB9351 Special Study in Law B

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisites: None
Subject Description: A study in depth of a selected area of law.

LLB9360 Foreign Investment Law in the People's Republic of China

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB9100
Co-requisites: LLB9210
Subject Description: An analysis of the law and procedures regulating foreign investment in, and trade with, the PRC. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation, customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.

LLB9362 Advanced Revenue Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: LLB9341
Co-requisites: None
Subject Description: In this subject, students will be exploring selected aspects of income tax, capital gains tax, fringe benefits tax, the new goods and services tax and state taxes. The course is run on an intensive basis and features presentations from tax professionals, the Australian Tax Office, and the NSW Office of State Revenue.

LLB9365 International and Comparative Intellectual Property Law

Not on offer in 2008
Credit Points: 8
Pre-requisites: None
Co-requisites: LLB9100
Exclusions: LAW365, and LLB365
Subject Description: The subject will examine fundamental IP issues under the provisions of the major IP conventions, as well as domestic law of certain countries in Asia and the Pacific. Topics may include: the interface between IP protection and international trade; IP rights and parallel importation; the civil law concept of droit d'auteur ('author's right system') compared with 'copyright' in common law jurisdictions; IP evolving in cyberspace and access to and use of information technologies; the patenting of biotechnological products and processes, as well as socio-economic and ethical implications of biotechnological patenting; the protection of plant varieties and access to genetic resources and traditional knowledge; the patenting of pharmaceuticals and the problems relating to accessibility to medicines; the developing importance of geographical indications; the interface between competition law and IP law; protection of well-known marks; a comparative examination of the common law and civil law concepts of passing off and unfair competition; and WIPO Development Agenda.

LLB9395 Legal Research and Writing

Spring Wollongong On Campus
Credit Points: 2
Pre-requisites: None
Co-requisites: None
Subject Description: An introduction to the location and use of primary and secondary legal materials, including the use of computers in retrieving legal material; citation of legal materials.

LWPD901 Applied Criminal Law

Autumn Wollongong Distance
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 Distance
Spring Wollongong Distance
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.

LWPD906 Criminal Defence in Practice

Not on offer in 2008
Credit Points: 4

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Pre-requisites: None
Co-requisites: LWPD901 Applied Criminal Law and LWPD902 Advanced Criminal Evidence
Subject Description: This subject provides a thorough introduction to criminal defence practice. Students will learn the unique responsibilities and ethical obligations attaching to defence counsel, both in theory and as applied in practice. Students will also learn about the key relationships between defence counsel and other entities, such as the Court, witnesses, prosecution, media and police.

LWPD907 International Law & Criminal Jurisdiction

Spring Wollongong Flexible
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.

LWPD908 International Developments in Civil Rights

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: The law enforcement v civil rights balance see-saws with societal attitudes and with advancements in technologies available to the State and countering technologies available to the citizen. This balance is examined in light of security measures introduced since the attacks on the US on September 11, 2001 with particular focus on Australia's counter terrorism legislation. Also examined are relevant international civil rights instruments and significant decisions of specialist bodies such as the European Court of Human Rights and of eminent domestic courts of final appeal.

LWPD909 Studies in Transnational Crime & Transnational Criminal Law

Autumn Wollongong Distance
Spring Wollongong Distance
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

Autumn Wollongong Distance
Spring Wollongong Distance
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.

LWPD911 Introduction to Common Law Criminal Justice Systems

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject covers the historical evolution and modern content of the common law's criminal justice processes and principles. Areas covered include separation of powers, the doctrine of stare decisis, processes of judicial reasoning, the roles of the prosecutor, defence counsel, judge and jury and the criminal justice process. The criminal justice process is exemplified by tracing a criminal prosecution from charging through to sentencing.

LWPD912 Prosecuting International Humanitarian Law

Spring Wollongong Distance
Autumn Wollongong Distance
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

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models for delivery of International Criminal Justice: international tribunals and courts; hybrid bodies; domestic prosecutions; truth and reconciliation commissions.

LWPD913 Prosecuting Cybercrime

Autumn Wollongong Distance
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 Distance
Spring Wollongong Distance
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.

LWPD916 Prosecuting Transnational Economic Crime

Spring Wollongong Flexible
Autumn Wollongong Distance
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.

LWPD917 Military Prosecutions

Not on offer in 2008
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: This subject entails a study of military laws and processes. Subjects include: the evolution of military law; procedure in Defence Force Magistrate hearings, Boards of Inquiry and General and Field Courts Martial; the functions of convening authorities; the roles and responsibilities of Judge Advocates, Director Army Legal Services and Defence Force Magistrates; conflicts of interest; appeals processes; legal concepts of mens rea in the context of laws governing disciplined forces; defences available in military law; analysing Terms of Reference; the impact of developments in international human and civil rights law; jurisdiction and the incorporation and application of civilian laws; the principles governing the reception of evidence in military hearings and the application of principles applied in civilian courts.

LWPD918 Technical & Forensic Evidence

Spring Wollongong Distance
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

Spring Wollongong Distance
Autumn Wollongong Distance
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

Autumn Wollongong Distance
Spring Wollongong Distance
Summer 2008/2009 Wollongong Distance
Credit Points: 12
Pre-requisites: None

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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 together with a briefing précis 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.

LWPD921 Expert Evidence

Autumn Wollongong Distance
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
Subject Description: Effective prosecution entails an understanding of the laws governing the reception of expert evidence. Expert evidence, in turn, poses unique challenges in terms of advocacy. This subject examines these legal issues and teaches students techniques for leading expert evidence and cross-examining expert witnesses. It does this in the context of forensic science.

LWPD922 Research Paper in Prosecutions

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

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisites: None
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 2008
Credit Points: 6
Pre-requisites: None
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

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

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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 Arts (Geography)

Master of Science

- Biotechnology
- Environmental Biology
- Chemistry
- Coastal Planning and Management
- Medicinal Chemistry
- Medical Radiation Physics*
- Geography or Geology

Graduate Diploma in Science

- Biological Sciences
- Chemistry
- Geography
- Geology
- Physics*

*Refer to the Faculty of Engineering

For tuition fee information please see the following:

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

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

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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
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1304
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.

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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 the 24 credit points of coursework as advanced standing 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:	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

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consultation with the Coordinator of Environmental Science.

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 awarded advanced standing 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 cps).

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 Coordinator of Environmental Science

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: Processes and Management	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	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 19.G012.

Master of Environmental Science - Advanced

Testamur Title of Degree:	Master of Environmental Science - Advanced
Abbreviation:	MEnvSc Adv
Home Faculty:	Science
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	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 Coordinator of Environmental Science for approval of overall entry.

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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
ENVI922	The Scientific Basis of Environmental Management	Spring	12
ENVI923	Environmental Planning	Autumn	12
STS929	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:			
LAW9380	Law for Environmental Managers	Spring	8
ENVE985	Environmental Engineering	Autumn	8
STAT955	Sample Surveys and Experimental Design	Autumn	8
STS300	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 19.G012.

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, either: 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

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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:			
STS929	Studies in Resource and Environmental Policy	Annual, Autumn, or Spring	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
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 Systems	Spring	12
EESC905	Advanced Remote Sensing	Spring	12
EESC912	Advanced Soils, Landscapes and Hydrology	Spring	12
EESC914	Fundamentals of Spatial Science	Spring	12
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8
LAW9380	Law for Environmental Managers	Spring	8
ENVE985	Environmental Engineering	Autumn	8
STAT955	Sample Surveys and Experimental Design	Autumn	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 19.G012.

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Master of Arts (Geography)

Testamur Title of Degree:	Master of Arts (Geography)
Abbreviation:	MA
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 or Spring
Location:	Wollongong
UOW Course Code:	1565
CRICOS Code:	007046G (Human Geography), 052683D (Physical Geography)

Overview

This coursework degree is designed for candidates who wish to extend their grounding in Geography beyond the undergraduate level. It also provides an alternative route to subsequent PhD studies for students who do not possess a BA (Honours) degree.

Entry Requirements / Assumed Knowledge

Normally a pass Bachelors degree of at least 3 years duration in a 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 Head of School.

Course Requirements

Candidates must complete 48 credit points of 900-level subjects, as set out below, as approved by the Course Coordinator. Students may be required to complete additional credit points if their disciplinary background is deemed unsatisfactory.

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 Geography to enhance their qualifications in an area without undertaking a research project.

The subjects have been grouped in two strands which reflect the major research strengths in Geography within the School of Earth and Environmental Sciences.

- Physical Geography and Environments
- Human Geography and Environments

Students with a satisfactory background in Earth and Environmental Sciences complete subjects to the value of 48 credit points chosen from either of the two programs, in consultation with the Course Coordinator. Other students may be required to complete subjects to a value of 72 credit points.

Subjects		Session	Credit Points
Physical Geography and Environments			
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	Spring	12
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8
Human Geography and Environments			
EESC904	Advanced Geographic Information Science	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC910	Advanced Social Spaces: Rural and Urban	Spring	12

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EESC914	Fundamentals of Spatial Science	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
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8

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 School of Earth and Environmental Sciences (02) 4221 3721.

Master of Science*

Testamur Title of Degree:	Master of Science (Major)
Abbreviation:	MSc
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 or Spring
Location:	Wollongong
UOW Course Code:	574
CRICOS Code:	048498F

* Please note that this degree is currently being reviewed and it is expected that there will be changes to the course structure starting from Spring Session 2008.

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 students who do not possess a BSc (Honours) degree.

Majors available are:

- Biotechnology
- Environmental Biology
- Chemistry
- Medicinal Chemistry
- Medical Radiation Physics (refer to the Faculty of Engineering)
- Coastal Planning and Management
- Geography
- Geology

Entry Requirements / Assumed Knowledge

Normally a pass Bachelors degree of at least 3 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.

Additional specific entry requirements for Biotechnology:

A relevant undergraduate degree of at least four years duration, or a similar tertiary qualification with relevant work experience. The degree must have included components dealing with one or more of the following areas: biology, biochemistry, cell biology, molecular biology, or microbiology. In addition, the student must have completed the equivalent of at least one year of academic study in chemistry. Spring Session start is not advised unless the student has a very strong academic background.

Additional specific entry requirements for Environmental Biology:

Spring Session start is not advised unless the student has a very strong academic background.

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Additional specific entry requirements for Coastal Planning and Management:

A relevant undergraduate degree of at least three years duration in Environmental Science, Science, Applied Science, Agriculture, Forestry, Social Science, Economics, Planning, Demography, Human Geography, or equivalent tertiary qualification and/or professional experience.

Course Requirements

Candidates must complete 48 credit points of 900-level subjects as determined for the disciplinary major, as set out below, and approved by the Course Coordinator. Students may be required to complete additional credit points if their disciplinary background is deemed not satisfactory.

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

Majors available

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. Students complete 48 credit points of 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.

BIOL983	Research Methods in Biotechnology	Autumn	12
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.

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. Students complete coursework to a value of 48 credit points 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 Options			
MARE957	Advanced Topics in Molluscan Biology	Summer	12
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

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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 Professor Bill Buttemer, School of Biological Sciences, Room 35.G19C.

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. Students complete 48 credit points of coursework over one year (or equivalent part-time) by enrolling in the following subjects, as approved by the Course Coordinator.

Subjects		Session	Credit Points
CHEM910	Research Skills Training	Annual, Autumn, or Spring	12
CHEM919	Literature Report in Chemistry	Annual, Autumn, or Spring	12
Plus two 12 cp subjects selected from:			
CHEM915	Advanced Chemistry Laboratory Project	Annual, Autumn, or Spring	12
CHEM940	Contemporary Topics in Biomolecular Chemistry	Annual, Autumn, or Spring	12
CHEM950	Contemporary Topics in Analytical and Environmental Chemistry	Annual, Autumn, or Spring	12

The Coordinator of this Major is Professor Will Price School of Chemistry, Room 18.102A.

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. Students complete 48 credit points of coursework over one year (or equivalent part-time) by enrolling in the following subjects, as approved by the Course Coordinator.

Subjects		Session	Credit Points
CHEM910	Research Skills Training	Annual, Autumn, or Spring	12
CHEM919	Literature Report in Chemistry	Annual, Autumn, or Spring	12
CHEM930	Introduction to Medicinal Chemistry	Annual, Autumn, or Spring	12
Plus one 12 cp subject selected from:			
CHEM915	Advanced Chemistry Laboratory Project	Annual, Autumn, or Spring	12
CHEM940	Contemporary Topics in Biomolecular Chemistry	Annual, Autumn, or Spring	12

The Coordinator of this Major is Professor Will Price, School of Chemistry, Room 18.102A.

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. Students complete 48 credit points of coursework over one year (or equivalent part-time) by enrolling in the following subjects, 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

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EESC904	Advanced GIS	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC914	Fundamentals of Spatial Science	Spring	12
EESC916	Coastal Population Studies	Autumn	12
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
STS929	Studies in Resource and Environmental Policy	Autumn	8
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8

The Coordinator of this Major is Associate Professor Chris Gibson, School of Earth and Environmental Sciences, Room 41.G08.

Geography or 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 Geography or Geology to enhance their qualifications in an area without undertaking a research project.

The subjects have been grouped in three strands which reflect the major research strengths within the School of Earth and Environmental Sciences:

- Physical Geography and Environments
- Human Geography and Environments
- Geology

Students with a satisfactory background in Earth and Environmental Sciences complete subjects to the value of 48 credit points chosen from either of the two programs in consultation with the Course Coordinator. Other students may be required to complete subjects to a value of 72 credit points.

Subjects		Session	Credit Points
Physical Geography and Environments			
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	Spring	12
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8
Human Geography and Environments			
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	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

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Subjects		Session	Credit Points
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8
Geology			
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	Spring	12
EESC921	Advanced Environmental Geology	Spring	12
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8

The Coordinator of these Majors is Professor Lesley Head - School of Earth and Environmental Sciences, Room 41.G14.

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:	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.

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Other Information

For further information contact the Associate Dean, Associate Professor Ted Bryant - Faculty of Science Office, 41.259, telephone (02) 4221 3172, email: ebryant@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.

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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. Fermentation technology and industrial scale-up. Applications of Biotechnology to the fields of human therapeutics, agriculture and diagnostics. Bioinformatics, ethical and patent issues of Biotechnology.

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.

BIOL983 Research Methods in Biotechnology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: The role of proteins in biotechnology. Aspects of protein 3-dimensional structure and folding, ligand binding and catalysis important in biotechnology. Extraction and recovery of proteins in the biotechnology industry. Purification and characterisation of proteins. Animal cell and tissue culture: advanced culture techniques, flow cytometry and genetic engineering. Antibody technology: radio-immunoassay and enzyme-immunoassay techniques, signal amplification strategies. Transgenics: current status and prospects. Recent

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advances in gene cloning and screening. Resistance of plants to disease and abiotic stress. Genetic engineering of plants. Bioremediation using plants and microbes. Vaccines: antigen selection, presentation and delivery.

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

Spring Wollongong On Campus
Autumn Wollongong On Campus
Summer 2008/2009 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 2008/2009 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 survey the biological literature and present a written report and a seminar on a topic chosen by the supervisory academic.

BIOL993 Research Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Summer 2008/2009 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
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 12
Pre-requisites: Appropriate degree. Compulsory for all students undertaking an MSc in Chemistry by coursework.
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.

CHEM911 Selected Topics in Chemistry

Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Credit Points: 8
Pre-requisites: Appropriate degree.
Co-requisites: None
Exclusions: Not to count with CHEM910.
Subject Description: Students carry out a directed studies program under the supervision of an academic staff member in an area to complement their other studies.

CHEM915 Advanced Chemistry Laboratory Project

Spring Wollongong On Campus
Autumn Wollongong On Campus
Annual Wollongong On Campus
Spring2008/Autumn2009 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

Spring Wollongong On Campus
Autumn Wollongong On Campus
Annual Wollongong On Campus
Spring2008/Autumn2009 Wollongong On Campus
Summer 2008/2009 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.

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CHEM930 Introduction to Medicinal Chemistry

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2008/Autumn2009 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

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Spring2008/Autumn2009 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.

CHEM950 Contemporary Topics in Analytical and Environmental Chemistry

Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual Wollongong On Campus
Spring2008/Autumn2009 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.

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

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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: Geographical information Science is concerned with the theory and analysis of spatial data, particularly using GIS. Practical applications in natural resource management, urban and regional planning, pollution management, distribution of plant and animal communities, natural hazards, medical geography, economic and environmental geology and environmental impact assessment are emphasised. Topics include data acquisition, spatial data-bases and analysis, georeferencing, digital terrain modelling, and accuracy.

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

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None

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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've 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.

EESC950 Advanced Topic A

Spring2008/Autumn2009 Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual 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

Summer 2008/2009 Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Annual 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.

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ENVI910 Directed Studies in Environmental Chemistry

Spring Wollongong On Campus
Autumn Wollongong On Campus
Annual 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

Spring2008/Autumn2009 Wollongong On Campus
Autumn Wollongong On Campus
Annual 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 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
Spring2008/Autumn2009 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 managements focussing on human induced changes to these natural systems. Emphasis will 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

Summer 2008/2009 Wollongong On Campus
Spring Wollongong On Campus
Autumn Wollongong On Campus
Annual Wollongong On Campus
Spring2008/Summer2008 Wollongong On Campus
Spring2008/Autumn2009 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 Environmental Science.
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 Unit, 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

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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

Spring Wollongong On Campus
Autumn Wollongong On Campus
Annual Wollongong On Campus
Spring2008/Autumn2009 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

Spring2008/Autumn2009 Wollongong On Campus
Annual 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).

MARE957 Advanced Topics in Molluscan Biology

Not on offer in 2008
Credit Points: 12
Pre-requisites: None
Co-requisites: None
Subject Description: This subject will provide an overview of molluscan biology, diversity and phylogeny. It will also examine the role of molluscs in fisheries, aquaculture, as pests and as carriers of disease. Consideration will be given to these aspects of molluscan biology worldwide, but there will also be a focus on the largely endemic Australian fauna. Each of the major groups of molluscs will be examined, including polyplacophorans (chitons), bivalves (e.g. clams and oysters), gastropods (e.g. slugs and snails) and finally the cephalopods (including octopuses & squid). For each group, their conservation, ecology, biology and evolutionary relationships will be addressed, with important current issues and research directions highlighted. The subject will provide training in field techniques, identification, lab studies including dissection and accessing resources. It will include the observation and collection of molluscs in a variety of habitats, including the rocky shore, estuarine and rainforest environments. Literature examining contemporary research in molluscs will also be reviewed (tailored to the specialisations of MSc students enrolled in the subject). This subject is offered in alternate years and will next be offered in Summer Session 2009/2010.

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).

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