POSTGRADUATE HANDBOOK 2012

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.

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 2012 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

v

Choose **Course Handbook** from the menu

v

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

v

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 (December 2011). Please refer to www.uow.edu.au/handbook for the most current information.

Faculty of Arts

Member Units

School of English Literatures and Philosophy
School of History and Politics
School of Social Sciences, Media and Communication
Language Centre
Indigenous Studies

Courses Offered

Research Degrees

Doctor of Philosophy *(see page 2)*
Master of Arts - Research *(see page 3)*

Coursework Degrees

Master of International Studies *(see page 5)*
Master of International Studies Advanced *(see page 6)*
Graduate Diploma in Arts (Japanese)* *(see page 7)*

Faculty Research

UOW Strength

Institute for Social Transformation Research (ISTR)

The Institute for Social Transformation Research is dedicated to expanding our capacity to understand and engage with our rapidly changing social, cultural and geopolitical environment. ISTR aims to build Australia's capacity to understand and engage with globalising forces that are increasingly technologically mediated, but that continue to be configured by spatial, economic and temporal constraints. Research conducted by ISTR members is therefore cross-disciplinary, practical and project based, involving collaboration across geographical locations, and drawing from disciplines such as politics, sociology, philosophy, cultural studies, literary studies, language and linguistics, creative arts, geography, media studies, history, anthropology, economics and law. ISTR projects are at the cutting edge of creative and community-engaged research in the humanities, creative arts and social sciences, and have a shared focus on understanding the impact of globalisation on the pace of social and cultural transformation in our region and across the globe.

The Three Broad Themes for 2012 are:

1. Social Thought and Action
2. Creative Practice and Cultural Innovation
3. Regional Change and Transformation

Associated ISTR Research Centres

Centre for Asia Pacific Social Transformation Studies (CAPSTRANS)

Centre for Australian Aotearoa New Zealand Studies

Centre for Research on Men and Masculinities (CROMM)

Faculty Research Priority Area

Literature, Identity and Culture (LIC)

For more information on Research in Arts, please see:

www.uow.edu.au/arts/research
For tuition fee information please see the following:
Domestic - www.uow.edu.au/student/finances
International - www.uow.edu.au/prospective/international/fees/

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Faculty of Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Supervised individual research
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	003065C

Overview

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

Entry Requirements

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

All applications must be approved by the Faculty's Head of Postgraduate Studies (HPS).

Approval depends on the availability of supervision for the proposed thesis topic. By 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).

Course Requirements

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

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

Time Limits

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

Topics

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

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

- Global Studies
- History
- Indigenous Studies
- International Studies
- Japanese
- Media and Communication
- Philosophy
- Politics
- Postcolonial Studies
- Science and Technology Studies
- Social Change and Development
- Sociology
- Spanish

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

Assessment

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

Other Information

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/

Further information is available at http://coursefinder.uow.edu.au/ or email: Arts - fac-arts@uow.edu.au

Master of Arts - Research

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

Overview

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

Entry Requirements

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

There are two entry points for this degree:

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

Bachelor of Arts (Honours) or Master of Arts by coursework (including a research training component). Students holding the degree of Bachelor of Arts (Honours) with Honours Class II, division ii or higher, or Master of Arts by coursework with an average of at least 70%, may apply for admission into the Master of Arts – Research degree with 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). Approval depends on the availability of supervision for the proposed thesis topic.

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 work towards a detailed proposal leading up to the thesis. Other coursework subjects may be accepted by the HPS as equivalent to ARTS901.

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

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

Time limits

Full time students will normally complete the 72 credit point degree in three (3) sessions and the 48 credit point degree in two (2) sessions. The minimum 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 minimum time of four (4) sessions and a maximum of eight (8) sessions.

Topics

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

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

- International Studies
- Japanese
- Media and Communication
- Philosophy
- Politics
- Postcolonial Studies
- Science and Technology Studies
- Social Change and Development
- Sociology
- Spanish

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

Assessment

Coursework

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

Thesis

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

Other Information

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/

Further information is available at http://coursefinder.uow.edu.au/ or email: Arts - fac-arts@uow.edu.au

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Master of International Studies

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

Overview

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

The course suits both recent graduates looking to give themselves an advantage in this competitive job market and those with more established careers looking to expand their opportunities and knowledge or to change career directions. Participants have the chance to study with people from a wide range of backgrounds from Australia and

around the globe. The course prepares graduates for careers in international organisations or internationally-focused careers in the private and public sector or in non-governmental organisations.

Entry Requirements

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

Course Requirements

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

Subject Code	Subject Name	Credit Points	Session
MIST901	Politics of International Relations	8	Autumn
MIST905	Transforming Asia	8	Spring
MIST910	International Economic Relations	8	Spring
MIST920	Social Change and Development	8	Autumn
And 16 credit points from:			
MIST900	International Law and Diplomacy	8	Spring
MIST903	Politics in the South Pacific	8	Autumn
MIST904	Diplomatic History	8	N/O 2012
MIST907	Principles of Social Impact Assessment	8	N/O 2012
MIST908	Globalisation and Citizenship	8	Autumn
MIST913	Labour and Migration	8	Spring
MIST914	Comparative Public Policy	8	Spring
MIST999	Advanced Topics in International Studies	8	Autumn/Spring

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Arts - fac-arts@uow.edu.au

Master of International Studies Advanced

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

Overview

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

The course suits both recent graduates looking to give themselves an advantage in this competitive job market and those with more established careers looking to expand their opportunities and knowledge or to change career directions. Participants have the chance to study with people from a wide range of backgrounds from Australia and around the globe. The course prepares graduates for careers in international organisations or internationally-focused careers in the private and public sector or in non-governmental organisations.

The Advanced degree includes either a supervised research thesis or an internship. The thesis will qualify students for further research at postgraduate level. The internship provides graduates with professional experience in the field of international studies. Supervision of the research thesis and placement for the internship will be negotiated with the program coordinator.

Entry Requirements

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

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

Course Requirements

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

Subject Code	Subject Name	Credit Points	Session
Core Subjects			
MIST901	Politics of International Relations	8	Autumn
MIST905	Transforming Asia	8	Spring
MIST910	International Economic Relations	8	Spring
MIST920	Social Change and Development	8	Autumn
And 16 credit points from:			
MIST900	International Law and Diplomacy	8	Spring
MIST903	Politics in the South Pacific	8	Autumn
MIST904	Diplomatic History	8	N/O 2012
MIST907	Principles of Social Impact Assessment	8	N/O 2012
MIST908	Globalisation and Citizenship	8	Autumn
MIST913	Labour and Migration	8	Spring
MIST914	Comparative Public Policy	8	Spring
MIST999	Advanced Topics in International Studies	8	Autumn/Spring

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Arts - fac-arts@uow.edu.au

Graduate Diploma in Arts (Japanese)*

Testamur Title:	Graduate Diploma in Arts (Japanese)
Abbreviation:	GDipArts
Home Faculty:	Faculty of Arts
Duration:	Currently under review
Total Credit Points:	Currently under review
Delivery Mode:	Currently under review
Starting Session(s):	Currently under review
Location:	Currently under review
UOW Course Code:	647
CRICOS Code:	N/A

*Note: this course is currently under review and is not available in 2012. Students should contact Faculty of Arts for further information.

Other Information

Further information regarding this course will be made available at http://coursefinder.uow.edu.au/ or email: Arts - fac-arts@uow.edu.au

FACULTY OF ARTS

ARTS901 Master of Arts Research Methods

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisite: 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 subject takes students through key aspects of becoming a researcher and producing high-quality, well informed and effective research. The subject investigates the processes of researching and writing a thesis, by examining: the nature and origins of disciplinary and interdisciplinary knowledge; the varieties of ways of thinking and arguing; the role of research methods and theories in research; effective writing and other communication skills; and the connection between academic research and the wider community. The subject also develops thesis projects, and provides high level technical, data-collecting and information skills. The subject is team-taught by academics from across the Faculty.

ELL 901 Effective Spoken Communication for Postgraduate Studies

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

ELL 902 Effective Spoken Communication for Postgraduate Studies ARTS

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

ELL 903 Effective Written Communication for Postgraduate Studies

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

ELL 904 Effective Written Communication for Postgraduate Studies ARTS

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

MIST900 International Law and Diplomacy

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

domestic law and international law; the law of treaties; statehood, state jurisdiction and state responsibility; personality, statehood and recognition, human rights and refugee laws.

MIST901 Politics of International Relations

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

MIST903 Politics in the South Pacific

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: Entry to MA INTR programme
Co-requisite: None
Exclusions: INTR911
Subject Description: In this subject we will consider the policies adopted by the governments of a number of Pacific Island nations (including Papua New Guinea, Solomon Islands, Samoa, Vanuatu, Tonga and Fiji Islands). The governments of these nations find that they now must manage in a globalising world. Their nations often face challenges of institutional capacity; are in receipt of substantial amounts of foreign aid; and are short of capital and human resources, while having access to various natural resources. The sustainable management of the latter presents many challenges.

MIST904 Diplomatic History

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: INTR905
Subject Description: This subject deals with important examples of modern international diplomatic behaviour. It presents an overview of diplomatic practice, including various theoretical and historiographical concerns. The subject examines how diplomats write and how they present national positions.

MIST905 Transforming Asia: Trends, Issues and Problems

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: SMAC910
Subject Description: Over the past decade, globalization has been an important driving force for change in Asia. This subject examines and critiques the globalization of Asia, highlighting the uneven nature of the globalization process by revealing the 'winners' and 'losers' of contemporary social, economic and cultural change. Case studies examine inequalities based on gender, class and sexuality in particular countries (Taiwan, India, Japan, Indonesia, Singapore and Bangladesh), as well as in comparative Asian contexts. Topics to be covered include: regional social movements and political change; sex and gender discrimination; marginal labourers; transnational and migrant identities; media and identity; rapid urbanization, slum development and inequality.

MIST907 Principles of Social Impact Assessment

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: SOC904
Subject Description: This subject introduces students to the basic principles and practices of social impact assessment (SIA). The subject includes: the history and theory of SIA; preparation and planning for SIA; scoping studies: implementing and undertaking SIAs; the role of the SIA professional; and project evaluation.

MIST908 Globalisation and Citizenship

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: CAPS910
Subject Description: This subject examines the effects of globalisation on representations of identity and citizenship in the Asia Pacific. We will discuss contemporary challenges to state authority coming from grassroots movements for democracy and universal human rights; women's groups; gay rights; ethnic minorities and indigenous peoples seeking self-determination; and the mass migration of workers and refugees. We will consider issues such as the conflict in the region, the plight of refugees, the role of organised crime, and the sexual reproduction of the nation.

MIST910 International Economic Relations

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

MIST913 Labour and Migration

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: CAPS915
Subject Description: This subject is concerned with the ways in which migration and labour mobility have influenced social transformation in the Asia-Pacific region. It examines

these issues at the conceptual level and through case studies in specific countries. Labour migration is analysed both in terms of individual migration experiences and in relation to the broader social, political and economic effects on sending and receiving countries. Themes raised include the formation of multi-ethnic societies, the development of labour movements, citizenship rights for workers and increased women's migration. Cross-disciplinary approaches will be introduced to offer a range of theoretical approaches to these issues.

MIST914 Comparative Public Policy

Spring Wollongong On Campus

Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: INTR931
Subject Description: This subject examines a broad range of policy areas in the (post) modern world. Students are expected to select issues for study from a range of policies including: media, industrial restructuring, political economy, education, health care, transport, defence, policing, urban and regional renewal, housing and the arts. Students are encouraged to study the impact of Globalisation and global trends on the creation and execution of public policy in advanced industrial countries. The subject offers an approach to policy studies, which focuses on quality of life issues and outcomes. An emphasis on recent developments in Australian public policy is maintained within a comparative perspective.

MIST920 Social Change and Development

Autumn Wollongong On Campus

Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: CAPS911
Subject Description: This subject will examine the development experience of people in the new global order. It will introduce students to the debates on development that emerged following the break up of European colonial empires. It will examine the ensuing interaction between rich and poor nations, and theoretical explanations for the emergence of international disparities of wealth. The subject will pay particular attention to the ways in which neo liberal development and globalisation affect people at the local level. Focussing on the Asia-Pacific region we will explore the power laden international context in which development discourses are produced. A number of case studies will be utilised to explore local understanding of what constitutes development.

MIST991 Thesis in International Studies

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 24
Pre-requisites: Master of International Studies (Coursework) with a WAM of 70% or better and two distinctions in any of the six subjects undertaken in the Master of International Studies.
Co-requisite: None
Subject Description: This is a research thesis of 15,000-20,000 words conducted under supervision on a topic agreed to by the supervisor(s), student and the Convenor, Master of International Studies. It allows students to develop their research skills in areas of policy, theory and issues in International Studies based on their studies in the Master of International Studies (Coursework). The thesis will be examined by both an internal and external examiner. It also offers a pathway into further postgraduate research degrees offered by the University.

MIST992 Internship in International Studies

Autumn Wollongong On Campus
Spring Wollongong On Campus

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

MIST999 Advanced Topics in International Studies

Autumn Wollongong On Campus
Spring Wollongong On Campus

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

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-requisite: None
Subject Description: This subject examines the social, economic and political processes through which environmental policy is developed. Case studies will be used to understand environmental impacts of technological development. Theoretical perspectives may include the politics and sociology of scientific controversy, global, national and regional developments in environmental regulation, theories of state regulation and intervention, and the choice and negotiation of different environmental strategies.

Faculty of Commerce

Schools

School of Accounting and Finance
School of Economics
School of Management and Marketing

Courses Offered

Doctor of Philosophy *(see page 12)*
Doctor of Philosophy (Integrated) *(see page 14)*
Master of Commerce *(see page 15)*
Graduate Certificate in Commerce *(see page 18)*
Graduate Certificate in Research Commercialisation *(see page 19)*

Double Degrees (2 year programs)

Master of Commerce - Master of Applied Finance *(see page 20)*
Master of Commerce - Master of Strategic Human Resource Management *(see page 21)*
Master of Commerce - Master of Strategic Management *(see page 22)*
Master of Commerce - Master of Strategic Marketing *(see page 23)*
Master of Commerce - Master of Strategic Management and Marketing *(see page 24)*

Accountancy

Graduate Certificate in Forensic Accounting *(see page 25)*
Master of Accountancy - Research *(see page 26)*
Master of Accountancy *(see page 27)*
Master of Commerce - Master of Professional Accounting *(see page 28)*
Master of Professional Accounting *(see page 29)*
Master of Forensic Accounting *(see page 30)*

Finance

Master of Finance - Research *(see page 31)*
Master of Applied Finance *(see page 32)*

Economics

Master of Economics - Research *(see page 33)*

Management

Master of Management - Research *(see page 34)*
Master of Strategic Management and Marketing *(see page 35)*
Master of Strategic Management *(see page 36)*
Master of Strategic Human Resource Management *(see page 36)*

Marketing

Master of Marketing - Research *(see page 37)*
Master of Marketing and Social Research *(see page 38)*
Master of Strategic Management and Marketing *(see page 39)*
Master of Strategic Marketing *(see page 40)*

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

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Commerce
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per year
Delivery Mode:	Supervised Individual Research
Location:	Wollongong
UOW Course Code	201
CRICOS Code:	001247B

Overview

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

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

School of Accounting and Finance

Accountancy

- Accounting and Accountability In Developing Countries
- Accounting and Information Systems
- Accounting Regulation
- Auditing
- Carbon Accounting and Accountability
- Corporate Governance
- Critical Accounting Theory
- Environment and Social Governance
- External Financial Reporting and Standard Setting
- Government and Not for Profit Accounting
- History of Accounting Thought
- International Accounting and Finance
- Management Accounting
- Social and Environmental Accounting
- Voluntary Disclosure Regimes and Accountability

Finance

- Banking
- Behavioural Finance
- Chinese Financial Markets
- Corporate Finance
- Corporate Governance
- Corporate Ownership Structure
- Financial Econometrics
- Financial Economics
- Financial Markets
- Financial Planning
- International Finance
- IPO
- Market Microstructure
- Managerial Compensation and Incentives
- Political Connections

- Portfolio Analysis
- Risk Management
- Small Business Finance
- Venture Capital

School of Economics

Economics

- Applied Econometrics
- Applied Microeconomics
- Business Innovation and Social Innovation
- Economic and Business History
- Economic Growth and Development
- Health Economics
- Industrial and Business Economics
- International Trade and Investment
- Labour and Human Resources
- Macroeconomic Performance and Policies
- Poverty and Inequality
- Regional Development
- Small and Medium Enterprises
- Social Capital and Networks

School of Management and Marketing

Management

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

Marketing

- Advertising
- Consumer Behaviour
- Corporate Marketing and Social Responsibility
- International Marketing
- Internet Marketing
- Marketing Communication
- Marketing Research
- New Product Marketing and Product Innovation

- Relationship Marketing
- Sales Management
- Services Marketing
- Strategic Planning and Marketing

Other Research Areas

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

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au; School of Management and Marketing - smm-enquiries@uow.edu.au; School of Accounting and Finance - accfin@uow.edu.au; School of Economics - econ_enquiries@uow.edu.au

Doctor of Philosophy (Integrated)

Testamur Title:	Doctor of Philosophy (Integrated)
Abbreviation:	PhD (Int)
Home Faculty:	Faculty of Commerce
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	210
CRICOS Code:	072855A

Overview

The PhD (Integrated) is a four-year degree which integrates a traditional three-year PhD thesis with one-year of coursework, comprising generic research training and discipline-specific content into a single degree.

The coursework provides candidates with the opportunity to develop their research skills while allowing additional time to develop a detailed research topic, therefore providing greater certainty and better completion outcomes in the thesis. The coursework also allows candidates to take individual subjects in a specific discipline area, thereby providing a deeper level of content from which to draw potential research themes. International students intending to become university researchers and teachers in their home country will benefit from exposure to Australian teaching methods through the inclusion of these 'taught' coursework subjects.

The PhD Integrated is therefore ideal for applicants who aspire to graduate with a PhD and who:

- want a flexible program which includes a selection of 'taught' subjects included in a specific discipline area of their interest;
- need further time to develop a detailed research proposal; or
- need to develop their research training skills in order to demonstrate their capacity to undertake the major research thesis.

Entry Requirements

Applicants should have a minimum of four years of study at degree level, either a four-year Bachelor degree, or a Bachelor degree plus Masters by Coursework, with a minimum Credit average (65% or GPA 3.0 out of 4.0), or equivalent.

Course Entry Criteria

Academic Requirements	Domestic	International
Qualification Required	Coursework Masters degree	Coursework Masters degree
Specialisation Required		
Minimum Duration	4 years, of total study at degree level	4 years, of total study at degree level
Minimum Level of Achievement	Pass	Pass
Other Acceptable Qualifications	In special circumstances, an undergraduate degree plus relevant research related experience	In special circumstances, an undergraduate degree plus relevant research related experience
Special Requirements		
Special Note	A credit average, or equivalent, is required	A GPA of at least 3 out of 4, or equivalent, is required
Standard English Language Requirements	As per current requirements for postgraduate research in the Faculties on the UOW web-site http://www.uow.edu.au/about/faculties	

Faculty Coursework Program

1	COMM980 Proposal Subject		6cp
2	Discipline-specific Electives	x 3 @ 6cp	18cp
3	Special Topics	x 2 @ 6cp	12cp
4	TBS996 Research Foundations 2: Methodology		12cp

Supporting Statement

Applicants for the PhD Integrated must provide a research proposal outlining the area of intended future research and reason for wishing to enrol in a research program.

Applicants are encouraged to contact the Head of Postgraduate Studies (HPS) in their discipline area, to obtain advice relating to potential research topics and supervisors. The HPS will also provide advice on the style and content needed for their research proposal/statement.

HPS contact details can be found at: http://www.uow.edu.au/research/rsc/prospective/UOW088768.html

Master of Commerce

Testamur Title:	Master of Commerce
Abbreviation:	MCom
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus (Face-to-Face)
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.

Credit Arrangements

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

Course Program

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

Code	Subjects	Session	Credit Points
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6
Master of Commerce – No Specialisation Students must complete the four (4) compulsory subjects above plus four (4) 900-level Commerce subjects (24 credit points). Alternatively, students may complete one of the Major Studies listed below.			

Majors

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

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

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

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

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au

Electronic Commerce

Compulsory Subjects			
ECON915	Electronic Commerce and the Economics of Information	Spring	6
ISIT938	eBusiness Technologies	n/o 2012	6
MARK901	Internet Applications for Marketing	Spring	6
Plus one (1) subject from the following			
ACCY936	Management and Information Systems	Autumn/Spring	6
MARK938	Managing Services and Relationship Marketing	Spring	6
MARK954	Special Topic in Marketing A	Autumn/Spring	6
MGMT915	Management of Change	Spring	6
MGMT978	Cross Cultural Management	Autumn	6
Or any other 900 level subject approved by the eCommerce Coordinator			

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au

Finance

Compulsory Subjects			
FIN921	Managerial Finance	Autumn/Spring	6
and			
FIN922	Investment Management	Autumn	6
or			
FIN 923	Portfolio Management	Spring	6
Plus any two (2) subjects from the following			
FIN924	Financial Statement Analysis For Business	Autumn	6
FIN925	Banking Theory and Practice	Autumn	6
FIN927	Entrepreneurial Finance	Autumn	6
FIN928	Multinational Financial Management	Spring	6
FIN955	International Banking	Spring	6
FIN987	Special Topic in Finance	Autumn/Spring	6

Student Income Support

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

The Master of Commerce (Finance) has been approved by DEEWR as an eligible Masters programme for Student Income Support. Students who have queries about their income support eligibility should contact Centrelink on 13 2490 for further information.

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au

Organisational Innovation

Compulsory Subjects			
MGMT915	Management of Change	Spring	6
MGMT940	Innovation and Entrepreneurship	Spring	6
Plus two (2) subjects from			
MARK956	Creating and Marketing New Products	Spring	6
MGMT908	Human Resources Development	Autumn	6
MGMT910	Strategic Management	Spring	6
MGMT911	Organisational Behaviour	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT941	Small Business Management	Autumn	6
MGMT983	Leading Organisations: Politics, Power and Change Agency	n/o 2012	6
MGMT986	Special Topics A	Autumn/Spring	6

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au

Public Relations

Compulsory Subjects			
PRMM901	Corporate Identity and Branding	Spring	6
PRMM902	Interactive Public Relations	Autumn	6
PRMM903	Public Relations for Innovation and Change	Spring	6
Plus one (1) subject from the following			
MARK920	Social Marketing	Spring*	6
MARK936	Consumer Behaviour	Autumn/Spring*	6
MARK940	Marketing Communications	Autumn*	6
MARK954	Special Topic in Marketing A	Autumn/Spring	6

*Subject offered in this session by weekend study mode

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au

Regional Development

Compulsory Subjects			
ECON944	Small Firms and the Economy	Autumn	6
ECON945	Regional Development	Autumn	6
MARK995	Tourism Marketing	Spring	6
Plus one (1) subject from the following			
ECON908	Advanced Topics in the Economics of Development	n/o 2012	6
ECON927	Innovation and Technology in the New Economy	n/o 2012	6
MGMT940	Innovation and Entrepreneurship	Spring	6
MGMT941	Small Business Management	Autumn	6

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au

Graduate Certificate in Commerce

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

Overview

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

Entry Requirements

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

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

Course Requirements

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

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

Credit Arrangements

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

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

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

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au

Graduate Certificate in Research Commercialisation

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

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 4221 5452

PLEASE NOTE: This course is only available to students who are in receipt of the Scholarship.

Entry Requirements

Applicants must be currently enrolled in a Research Doctorate.

Course Program

Code	Subject	Session	Credit Points
FIN927	Entrepreneurial Finance	Autumn	6
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	Spring	6
Plus one of the following			
MGMT908	Human Resources Development	Autumn	6
MGMT911	Organisational Behaviour	Spring	6
MGMT915	Management of Change	Spring	6
MGMT940	Innovation and Entrepreneurship	Spring	6

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au

Master of Commerce - Master of Applied Finance

Testamur Title:	Master of Commerce - Master of Applied Finance
Abbreviation:	MCom-MAppFin
Home Faculty:	Commerce
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1598
CRICOS Code:	067071J

Overview

This double degree program allows students to undertake complementary study in related fields and gives them the opportunity to develop generalist business skills in commerce and expertise in 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 or investing at the graduate level. The core part of the program provides students with an advanced understanding of financial decision-making in one of two areas. The banking specialisation has a focus on bank management and lending and the investing specialisation addresses investment analysis and portfolio management.

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) is recognised by the Financial Services Institute of Australasia (FINSIA).

Course Program

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1			
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
FIN921	Managerial Finance	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6
Plus three (3) Commerce 900-level subjects (excluding subjects contained in the Master of Applied Finance schedule)			
MASTER OF APPLIED FINANCE (BANKING)			
Year 2			
Core			
FIN924	Financial Statement Analysis for Business	Autumn	6
FIN926	Advanced Managerial Finance	Spring	6
Compulsory Subjects			
FIN925	Banking Theory and Practice	Autumn	6
FIN955	International Banking	Spring	6
FIN956	Bank Lending and Securities	Spring	6
LAW970	Banking and Financial Institutions Law	Autumn	6
Plus two (2) electives from the following			
ECON940	Statistics for Decision Making	Spring	6
FIN922	Investment Management	Autumn	6
FIN923	Portfolio Management	Spring	6
FIN927	Entrepreneurial Finance	Autumn	6
FIN928	Multinational Financial Management	Spring	6

FIN957	Portfolio Simulation	Autumn	6
FIN987	Special Topic in Finance	Autumn/Spring	6
STAT920	Stochastic Methods in Finance	Autumn	6
MASTER OF APPLIED FINANCE (INVESTING)			
Year 2			
Core			
FIN924	Financial Statement Analysis for Business	Autumn	6
FIN926	Advanced Managerial Finance	Spring	6
Compulsory Subjects			
FIN922	Investment Management	Autumn	6
FIN923	Portfolio Management	Spring	6
FIN928	Multinational Financial Management	Spring	6
FIN957	Portfolio Simulation	Autumn	6
Plus two (2) electives taken from the following			
ECON940	Statistics for Decision Making	Spring	6
FIN925	Banking Theory and Practice	Autumn	6
FIN927	Entrepreneurial Finance	Autumn	6
FIN955	International Banking	Spring	6
FIN956	Bank Lending and Securities	Spring	6
FIN987	Special Topic in Finance	Autumn/Spring	6
LAW970	Banking and Financial Institutions Law	Autumn	6
STAT920	Stochastic Methods in Finance	Autumn	6

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

Other Information

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

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au; School of Management and Marketing - smm-enquiries@uow.edu.au; School of Accounting and Finance - accfin@uow.edu.au; School of Economics - econ_enquiries@uow.edu.au

Master of Commerce - Master of Strategic Human Resource Management

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

Overview

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

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

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

Professional Recognition

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

Entry Requirements / Assumed Knowledge

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

Course Program

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1 – Semester 1			
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6
Year 1 – Semester 2			
Plus four (4) Commerce 900-level subjects (excluding subjects contained in the Master of Strategic Human Resource Management schedule)			
MASTER OF STRATEGIC HUMAN RESOURCE MANAGEMENT			
Year 2			
MGMT908	Human Resources Development	Autumn	6
MGMT910	Strategic Management	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6
Plus five (5) subjects to be selected from			
MGMT911	Organisational Behaviour	Spring	6
MGMT915	Management of Change	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT946	Personal Learning: The Reflective Manager	n/o 2012	6
MGMT949	Performance Management	Spring	6
MGMT963	Management of Occupational Health and Safety	Spring	6
MGMT969	Job Analysis, Recruitment and Selection	Autumn	6
MGMT975	Negotiation, Advocacy and Bargaining	n/o 2012	6
MGMT986	Special Topics A	Autumn/Spring	6
MGMT987	Management Special Topic	Autumn/Spring	12

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

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au; School of Management and Marketing - smm-enquiries@uow.edu.au; School of Accounting and Finance - accfin@uow.edu.au; School of Economics - econ_enquiries@uow.edu.au

Master of Commerce - Master of Strategic Management

Testamur Title:	Master of Commerce - Master of Strategic Management
Abbreviation:	MCom-MStratMgmt
Home Faculty:	Commerce
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	No intake for 2012
Location:	Wollongong
UOW Course Code:	1600
CRICOS Code:	N/A

The Master of Commerce – Master of Strategic Management has been suspended for 2012 and there is no intake of new students into this course. Current students should refer to the Course Handbook for the year in which they commenced their degree for details on the course requirements.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au or School of Management and Marketing - smm-enquiries@uow.edu.au.

Master of Commerce - Master of Strategic Marketing

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

Overview

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

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

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

Entry Requirements / Assumed Knowledge

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

Course Program

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1 – Semester 1			
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6
Year 1 – Semester 2			
Plus four (4) Commerce 900-level subjects (excluding subjects contained in the Master of Strategic Marketing schedule)			
MASTER OF STRATEGIC MARKETING			
Year 2			
MARK935	Marketing Strategy	Spring	6
MARK936	Consumer Behaviour	Autumn/Spring*	6
MARK977	Research for Marketing Decisions	Autumn	6
MARK980	Strategic Brand Management	Autumn/Spring*	6
Plus four (4) subjects to be selected from			
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	Spring	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2012	6
MARK989	Marketing Special Topic	Autumn/Spring	12
MARK995	Tourism Marketing	Spring	6

MARK997	Retail Marketing Management	n/o 2012	6
PRMM901	Corporate Identity and Branding	Autumn	6
PRMM902	Interactive Public Relations	Autumn	6
PRMM903	Public Relations for Innovation and Change	Spring	6

*Subject offered in this session by weekend study mode.

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

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au; School of Management and Marketing - smm-enquiries@uow.edu.au; School of Accounting and Finance - accfin@uow.edu.au; School of Economics - econ_enquiries@uow.edu.au

Master of Commerce - Master of Strategic Management and Marketing

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

Overview

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

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

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

Entry Requirements / Assumed Knowledge

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

Course Program

Subjects		Session	Credit Points
MASTER OF COMMERCE			
Year 1 – Semester 1			
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ECON910	Economics for Professionals	Autumn/Spring	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6
Year 1 – Semester 2			
Plus four (4) Commerce 900-level subjects (excluding subjects contained in the Master of Strategic Management and Marketing schedule)			
MASTER OF STRATEGIC MANAGEMENT AND MARKETING			
Year 2			
MARK936	Consumer Behaviour	Autumn/Spring*	6
MARK977	Research for Marketing Decisions	Autumn	6
MARK980	Strategic Brand Management	Autumn*/Spring	6
MGMT910	Strategic Management	Spring	6
MGMT915	Management of Change	Spring	6

MGMT920	Organisational Analysis	Autumn	6
Plus one (1) from the following five (5)			
MGMT908	Human Resources Development	Autumn	6
MGMT930	Strategic Human Resource Management	Autumn	6
MGMT940	Innovation and Entrepreneurship	Spring	6
MGMT941	Small Business Management	Autumn	6
MGMT978	Cross Cultural Management	Autumn	6
Plus one (1) from the following four (4)			
MARK935	Marketing Strategy	Spring	6
MARK938	Managing Services and Relationship Marketing	Spring	6
MARK940	Marketing Communications	Autumn*	6
MARK957	International Marketing Strategy	Autumn	6

*Subject offered in this session by weekend study mode.

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

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Commerce - commerce-enquiries@uow.edu.au; School of Management and Marketing - smm-enquiries@uow.edu.au; School of Accounting and Finance - accfin@uow.edu.au; School of Economics - econ_enquiries@uow.edu.au

Graduate Certificate in Forensic Accounting

Testamur Title:	Graduate Certificate in Forensic Accounting
Abbreviation:	GCertForAccy
Home Faculty:	Commerce
Duration:	6 months full-time*
Total Credit Points:	24
Delivery Mode:	Flexible (Modular - compulsory 3 full days intensive program per subject)
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1147
CRICOS Code:	073526K

* Please contact the Faculty regarding part-time option

Overview

The Graduate Certificate in Forensic Accounting provides an introduction to the nature and purpose of forensic accounting in a wide array of contexts and applications ranging from asset valuations and calculation of economic loss to investigation of financial crimes and other dysfunctional behaviour on the part of individuals and corporate management. Students are exposed to concepts of criminology used to identify indicators of inappropriate behaviour as well as processes of initiating and planning investigations to prove or refute such suspicions. In addition, students are introduced to the legislative and regulatory framework applicable to the investigation and resolution of disputes or suspicions of inappropriate behaviour.

Entry Requirements / Assumed Knowledge

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

Credit Arrangements

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

Course Program

Subjects		**Session**	**Credit Points**
ACCY950	Introductory Forensic Accounting	Autumn	6
ACCY951	Forensic and Litigation Framework	Autumn	6
ACCY952	Fraud and Failure	Autumn	6
ACCY953	Investigative Processes	Autumn	6

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Accounting and Finance - accfin@uow.edu.au

Master of Accountancy - Research

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

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 Accounting discipline. In the research component, students complete substantial and extended research into an applied or theoretical issue in accounting. The topic is selected in line with the student's research interests and is subject to approval by the School Head of Postgraduate Studies. The thesis is completed under the supervision of individual members of staff and culminates in the production of a substantial written thesis.

Entry Requirements / Assumed Knowledge

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

Credit Transfer

Credit of up to 24 credit points may be awarded for the coursework component of this degree to students who have completed research related subjects at an appropriate standard as assessed by the School Head of Postgraduate Studies. 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
ACCY906	Theoretical Constructions of Accounting and Finance	Autumn/Spring	6
ACCY907	Empirical Research Methods	Autumn/Spring	6
COMM980	Commerce Research Proposal	Autumn/Spring	6

Elective Subject

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

Subject selection is to be approved by the School Head of Postgraduate Studies. Other coursework subjects may be substituted with the permission of the School Head of Postgraduate Studies.

Thesis

Subjects		Session	Credit Points
THES924	Thesis full-time	Autumn/Spring	24 per session
OR			
THES912	Thesis part-time	Autumn/Spring	12 per session

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Accounting and Finance - accfin@uow.edu.au

Master of Accountancy

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

Students are required to undertake 24 credit points in core subjects and 24 credit points in elective subjects.

Course Program

Code	Subject	Session	Credit Points
Core Subjects			
ACCY906	Theoretical Constructions of Accounting and Finance	Autumn/Spring	6
ACCY904	Financial Accounting	Autumn	6
ACCY907	Empirical Research Methods	Autumn/Spring	6
ACCY913	Management Accounting	Autumn	6
Elective Subjects – select 24 credit points from the following			
ACCY905	International Accounting	Spring	6
ACCY909	Social and Environmental Accountability	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
COMM980	Commerce Research Proposal	Autumn/Spring	6

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

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Accounting and Finance - accfin@uow.edu.au

Master of Commerce - Master of Professional Accounting

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

Overview

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

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

Entry Requirements / Assumed Knowledge

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

Course Requirements

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

Course Program

Subjects		Session	Credit Points
ACCY901	Accounting Foundations for Professionals	Autumn/Spring	6
ACCY902	Applied Financial Accounting	Spring	6
ACCY903	Theoretical Foundations of Accounting	Autumn/Spring	6
ACCY918	Applied Management Accounting	Spring	6
ACCY936	Management and Information Systems	Autumn/Spring	6
ACCY962	Professional Practice – Auditing & Risk Assurance	Autumn	6
ACCY963	Professional Practice - Taxation	Autumn	6
COMM900	Intercultural Professional Practice (Commerce)	Annual	12
ECON910	Economics for Professionals	Autumn/Spring	6
ECON940	Statistics for Decision Making	Spring	6
FIN 921	Managerial Finance	Autumn/Spring	6
LAW 960	Legal Studies for Professionals	Spring	6
LAW9302	Law of Business Organisations	Autumn	6
MARK922	Marketing Management	Autumn/Spring	6
MGMT901	Fundamentals of Management	Autumn/Spring	6

Professional Recognition

The Master of Professional Accounting is accredited by two Australian accounting professional bodies - CPA Australia and the Institute of Chartered Accountants in Australia (ICAA) and two global accounting professional bodies - the Association of Chartered Certified Accountants (ACCA) and the Association of International Accountants (AIA).

Students please note:

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

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Accounting and Finance - accfin@uow.edu.au

Master of Professional Accounting

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

Overview

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

Entry Requirements / Assumed Knowledge

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

Course Requirements

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

Course Program

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

Professional Recognition

Accredited by two Australian accounting professional bodies - CPA Australia and the Institute of Chartered Accountants in Australia (ICAA) and two global accounting professional bodies – the Association of Chartered Certified Accountants (ACCA) and the Association of International Accountants (AIA).

Students please note:

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

Student Income Support

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

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

Students who have queries about their income support eligibility should contact Centrelink on 132490 for further information.

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Accounting and Finance - accfin@uow.edu.au

Master of Forensic Accounting

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

Overview

The Master of Forensic Accounting emphasises a holistic approach to the investigation, presentation and resolution of disputes involving legal and accounting issues. Students acquire an understanding of the behavioural and legal framework within which they hone their accounting aptitude and analysis.

Students are exposed to the nature and purpose of forensic accounting in an array of contexts and applications ranging from commercial asset valuations and calculation of economic loss to investigation of financial crimes and other dysfunctional behaviour on the part of individuals and corporate management.

Students study and acquire skills relevant to a given forensic accounting context, conducting investigations and analysing findings. They learn to recognise governance shortcomings, mitigate inherent risks through appropriate internal control functions and prepare an expert report within an appropriate legal framework.

Entry Requirements / Assumed Knowledge

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

Credit Transfer

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

Course Program

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

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

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Accounting and Finance - accfin@uow.edu.au

Master of Finance - Research

Testamur Title:	Master of Finance - Research
Abbreviation:	MFin-Res
Home Faculty:	Commerce
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus (Face-to-Face)
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 School Head of Postgraduate Studies. The thesis is completed under the supervision of individual members of staff and culminates in the production of a substantial written thesis.

Entry Requirements / Assumed Knowledge

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

Credit Transfer

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

Course Program

Core	Subjects	Session	Credit Points
ACCY906	Theoretical Constructions of Accounting and Finance	Autumn/Spring	6
ACCY907	Empirical Research Methods	Autumn/Spring	6
COMM980	Commerce Research Proposal	Autumn/Spring	6

Elective Subject

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

Subject selection is to be approved by the School Head of Postgraduate Studies. Other coursework subjects may be substituted with the permission of the School Head of Postgraduate Studies.

Thesis

Subjects		Session	Credit Points
THES924	Thesis full-time	Autumn/Spring	24 per session
OR			
THES912	Thesis part-time	Autumn/Spring	12 per session

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Accounting and Finance - accfin@uow.edu.au

Master of Applied Finance

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

Overview

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

Entry Requirements / Assumed Knowledge

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

Course Requirements

Students are required to undertake 12 credit points core subjects, 24 credit points compulsory subjects (either in the Banking or Investing specialist stream) and 12 credit points in electives.

Course Program

Master of Applied Finance (Banking)

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

Master of Applied Finance (Investing)

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

Professional Recognition

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

Student Income Support

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

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

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

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Accounting and Finance - accfin@uow.edu.au

Master of Economics - Research

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

Overview

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

Entry Requirements / Assumed Knowledge

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

Credit Transfer

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

Course Requirements

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

Course Program

Code	Subjects	Session	Credit Points
ECON996	Advanced Macroeconomic Theory	Autumn	6
ECON997	Advanced Microeconomic Theory	Autumn	6
COMM980	Commerce Research Proposal	Autumn/Spring	6
THES924	Thesis (full-time) OR	Annual	48
THES912	Thesis (part-time)	Annual	24
Plus one of the following			
ECON921	Econometric Models	Not on offer 2012	6
Or			
ECON939	Quantitative Economic Analysis	Autumn	6

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Economics - econ_enquiries@uow.edu.au

Master of Management - Research

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

Overview

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

Entry Requirements / Assumed Knowledge

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

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

Course Program

Subjects		Session	Credit Points
COMM980	Commerce Research Proposal	Autumn/Spring	6
Plus three 6-credit point subjects as approved by the Course Coordinator			
Plus			
THES924	Thesis full-time	Autumn/Spring	48
THES912	Thesis part-time	Autumn/Spring	24

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Management and Marketing - smm-enquiries@uow.edu.au;

Master of Strategic Management and Marketing

Testamur Title:	Master of Strategic Management and Marketing
Abbreviation:	MStratMgmtMark
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
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 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.

Course Requirements

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

Course Program

Candidates are required to take the six (6) core subjects as follows:

Subject Code	Subject Name	Session	Credit Points
MARK936	Consumer Behaviour	Autumn/Spring*	6
MARK977	Research for Marketing Decisions	Autumn	6
MARK980	Strategic Brand Management	Autumn*/Spring	6
MGMT910	Strategic Management	Spring	6
MGMT915	Management of Change	Spring	6
MGMT920	Organisational Analysis	Autumn	6

Plus one (1) of the following five (5) subjects:

Subject Code	Subject Name	Session	Credit Points
MGMT908	Human Resources Development	Autumn	6
MGMT930	Strategic Human Resource Management	Autumn	6
MGMT940	Innovation and Entrepreneurship	Spring	6
MGMT941	Small Business Management	Autumn	6
MGMT978	Cross Cultural Management	Autumn	6

Plus one (1) of the following four (4) subjects:

Subject Code	Subject Name	Session	Credit Points
MARK935	Marketing Strategy	Spring	6
MARK938	Managing Services and Relationship Marketing	Spring	6
MARK940	Marketing Communications	Autumn*	6
MARK957	International Marketing Strategy	Autumn	6

*Subject offered in this session by weekend study mode.

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Management and Marketing - smm-enquiries@uow.edu.au

Master of Strategic Management

Testamur Title:	Master of Strategic Management
Abbreviation:	MStratMgmt
Home Faculty:	Commerce
Starting Session(s):	No intake in 2012
UOW Course Code:	1557
CRICOS Code:	N/A

The Master of Strategic Management has been suspended for 2012 and there is no intake of students into this course. Current students should refer to the Course Handbook for the year in which they commenced their degree for details on the course requirements.

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Management and Marketing - smm-enquiries@uow.edu.au

Master of Strategic Human Resource Management

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

Overview

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

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

Entry Requirements / Assumed Knowledge

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

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

Professional Recognition

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

Course Requirements

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

Course Program

There are three (3) core subjects as follows:

Subjects		Session	Credit Points
MGMT908	Human Resource Development	Autumn	6
MGMT910	Strategic Management	Spring	6
MGMT930	Strategic Human Resource Management	Autumn	6

Five (5) subjects to be selected from:

Subjects		Session	Credit Points
MGMT911	Organisational Behaviour	Spring	6
MGMT915	Management of Change	Spring	6
MGMT920	Organisational Analysis	Autumn	6
MGMT946	Personal Learning: the Reflective Manager	n/o 2012	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 2012	6
MGMT978	Cross Cultural Management	Autumn	6
MGMT986	Special Topics A	Autumn/Spring	6
MGMT987	Management Special Topic	Autumn/Spring	12

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Management and Marketing - smm-enquiries@uow.edu.au

Master of Marketing - Research

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

Overview

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

Entry Requirements / Assumed Knowledge

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

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

Course Requirements

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

Course Program

Subjects		Session	Credit Points
COMM980	Commerce Research Proposal	Autumn/Spring	6
PLUS three 900-level - 6 credit point subjects as approved by the Course Coordinator			
PLUS			
THES924	Thesis full-time	Autumn/Spring	48
THES912	Thesis part-time	Autumn/Spring	24

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Management and Marketing - smm-enquiries@uow.edu.au

Master of Marketing and Social Research

Testamur Title:	Master of Marketing and Social Research
Abbreviation:	MMSR
Home Faculty:	Commerce
Duration:	2 years part-time
Total Credit Points:	48
Starting Session(s):	No intake in 2012
UOW Course Code:	1636
CRICOS Code:	N/A

Overview

The program provides a high quality, vocationally oriented postgraduate course in market and social research for members of Australian Market & Social Research Society (AMSRS) and Association of Market and Social Research Organisations (AMSRO) in line with both profession and industry needs. Students will extend their market and social research knowledge and skills to a more advanced level and undertake a practical research project.

Entry Requirements / Assumed Knowledge

To enter the Master of Marketing and Social Research students will first have to completed the Graduate Certificate in Survey Research Methods and obtained a Weighted Average Mark (WAM) of 60%.

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 year, depending on demand.

Course Program

Candidates will have to undertake the four (4) compulsory subjects of the Graduate Certificate in Survey Research Methods as follows:

Subject Code	Subject Name	Credit Points	Delivery method(s)
SRMP901	Introduction to Research Design and Analysis for Surveys	6	Lectures/ tutorials
SRMP902	Statistical and Data Collection Methods in Surveys	6	Lectures/ tutorials
SRMP903	Survey Methods	6	Lectures/ tutorials
SRMP904	Sample Design and Estimation	6	Lectures/ tutorials

* For session details please refer to the Subject Timetable.

Upon successful completion of the Graduate Certificate in Survey Research Methods, with a Weighted Average Mark (WAM) of 60%, students will articulate in to the Master of Marketing and Social Research with credit for subjects completed under the Graduate Certificate.

Candidates are then to select 24 credit points from the following schedule, subject to availability and demand:

Subjects		Session	Credit Points
IBSR911	Consumer Behaviour and Market Segmentation	Trimester 1	6
IBSR912	Qualitative and Quantitative Measurement in Social and Market Research	Trimester 1	6
IBSR913	Brand Image and Advertising Research	Trimester 2	6
IBSR990	Minor Project in Marketing and Social Research	Trimester 2	6
IBSR991	Major Project in Marketing and Social Research	Trimesters 2 & 3	12

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: Institute for Innovation in Business and Social Research – iibsor-info@uow.edu.au

Master of Strategic Management and Marketing

Testamur Title:	Master of Strategic Management and Marketing
Abbreviation:	MStratMgmtMark
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
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 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.

Course Requirements

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

Course Program

Candidates are required to take the six (6) core subjects as follows:

Subject Code	Subject Name	Session	Credit Points
MARK936	Consumer Behaviour	Autumn/Spring*	6
MARK977	Research for Marketing Decisions	Autumn	6
MARK980	Strategic Brand Management	Autumn*/Spring	6
MGMT910	Strategic Management	Spring	6
MGMT915	Management of Change	Spring	6
MGMT920	Organisational Analysis	Autumn	6

Plus one (1) of the following five (5) subjects:

Subject Code	Subject Name	Session	Credit Points
MGMT908	Human Resources Development	Autumn	6
MGMT930	Strategic Human Resource Management	Autumn	6
MGMT940	Innovation and Entrepreneurship	Spring	6
MGMT941	Small Business Management	Autumn	6
MGMT978	Cross Cultural Management	Autumn	6

Plus one (1) of the following four (4) subjects:

Subject Code	Subject Name	Session	Credit Points
MARK935	Marketing Strategy	Spring	6
MARK938	Managing Services and Relationship Marketing	Spring	6
MARK940	Marketing Communications	Autumn*	6
MARK957	International Marketing Strategy	Autumn	6

*Subject offered in this session by weekend study mode.

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Management and Marketing - smm-enquiries@uow.edu.au

Master of Strategic Marketing

Testamur Title:	Master of Strategic Marketing
Abbreviation:	MStratMark
Home Faculty:	Commerce
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus (Face-to-Face)
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 Academic Advisor – Marketing. Programs are tailored for individual students, based on their previous study and areas of interest. Subject availability may vary each session and year, depending on demand. Some subjects in this course are offered by weekend study mode. For more information go to http://www.uow.edu.au/commerce/smm .

Course Program

Candidates are to take four (4) compulsory subjects as follows:

Subject Code	Subject Name	Session	Credit Points
MARK980	Strategic Brand Management	Autumn*/Spring	6
MARK935	Marketing Strategy	Spring	6
MARK936	Consumer Behaviour	Autumn/Spring*	6
MARK977	Research for Marketing Decisions	Autumn	6

Four (4) subjects from the following schedule:

Subject Code	Subject Name	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	Spring	6
MARK957	International Marketing Strategy	Autumn	6
MARK970	Contemporary Issues in Marketing	n/o 2012	6
MARK995	Tourism Marketing	Spring	6
MARK997	Retail Marketing Management	n/o 2012	6
MARK989	Marketing Special Topic	Autumn/Spring	12
PRMM901	Corporate Identity and Branding	Autumn	6
PRMM902	Interactive Public Relations	Autumn	6
PRMM903	Public Relations for Innovation and Change	Spring	6

*Subject offered in this session by weekend study mode.

Other information

Further information is available at http://coursefinder.uow.edu.au/ or email: School of Management and Marketing - smm-enquiries@uow.edu.au

FACULTY OF COMMERCE

ACCY901 Accounting Foundations For Professionals

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
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 financial and management decision making.

ACCY902 Applied Financial Accounting

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY901
Co-requisite: None
Exclusions: ACCY908
Subject Description: This subject examines both the practical aspects of financial accounting: including accounting for corporate groups and the taxation of companies; and issues relating to external disclosures and professional ethics. The subject focuses on the regulatory and jurisdictional requirements of external financial reporting as well as considering accounting as a socio-political practice.

ACCY903 Theoretical Foundations of Accounting

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ACCY901
Co-requisite: 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-requisite: None
Subject Description: This subject covers an in-depth study of the historical development of accounting including the basis of external financial reporting, 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-requisite: None
Subject Description: This subject examines accounting in a global context and considers differences in accounting thought between countries. Topics include the harmonisation project, tax havens, transfer pricing, corporate social reporting and climate change, auditing in an international environment, money laundering, and transnational corporations.

ACCY906 Theoretical Constructions of Accounting and Finance

Autumn Wollongong Modular
Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject critically analyses theory formation of accounting. The key conceptual issues and on-going controversies in accounting are examined, highlighting the broader implications of accounting theory and practice on society.

ACCY907 Empirical Research Methods

Autumn Wollongong Modular
Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: 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. The theoretical and methodological assumptions of a range of quantitative and qualitative research methods will be studied.

ACCY909 Social and Environmental Accountability

Autumn Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: A global context of sustainability, allowing an examination of the philosophical, technical and regulatory development of social and environmental accountability. Critique and research questions of contemporary contested issues will be developed.

ACCY913 Management Accounting

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject deals with the conceptual basis of management accounting. This includes an examination of traditional and alternative concepts and approaches shaping organisational and behavioural aspects of management accounting. Topics covered include the traditional and contemporary cost management concepts (such as activity based costing) and how they are applied in selected industries. The subject also covers contemporary management control systems and performance measurement concepts (such as balance score card) and its application. This subject also considers the use of alternative cost reduction programs such as total life-cycle costing, target costing, Kaizen costing and environmental costing in management control systems.

ACCY914 Management Planning and Control Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 profit and not-for-profit sectors.

ACCY918 Applied Management Accounting

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

ACCY936 Management and Information Systems

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides an in-depth examination of contemporary topics in auditing with emphasis on controversial and theoretical issues, including social and ethical issues, the role of quantitative techniques in the audit function, continuous auditing concept, uncertainty reporting, audit performance evaluation, extension of the attest function and public sector auditing.

ACCY950 Introductory Forensic Accounting

Autumn Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides a broad based overview of forensic accounting within a corporate governance and accountability framework and is designed for progression to more specific topics. Subject content will deal with relevant international and professional forensic accounting codes of conduct and audit standards and common concepts of fraud, corruption, and other forms of dysfunctional behaviour. An integral part of the subject will be the fraud triangle and its application to the audit risk model in business and other entities as well as interpersonal relationships.

ACCY951 Forensic and Litigation Framework

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

ACCY952 Fraud and Failure

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

ACCY953 Investigative Processes

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

ACCY954 Advanced Investigative Techniques

Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject builds on the initiation, planning, execution and close (IPEC) model introduced in ACCY 953 Investigative Processes. It follows on to the IPEC model phases of execution and close. The execution phase deals with the selection and application of investigative

techniques appropriate to the facts of a particular case. The close phase revolves around appropriate reporting and consideration of preventative and improvement strategies. Case studies and practical examples will be used to demonstrate the application of the IPEC model to a structured forensic accounting investigation that will serve as the basis for an independent expert report.

ACCY957 Independent Accounting Expert Reports

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

ACCY958 Evidence and the Forensic Accountant

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

ACCY959 Compliance, Assurance and Governance

Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Students will learn to apply forensic accounting practices to develop, assess and quality assure governance and social responsibility mechanisms, internal controls, internal communication and reporting processes and other safeguards used by entities to ensure compliance with applicable legislation, regulations, policies and best practice principles. Specific compliance issues addressed will include Australian/New Zealand/international compliance, governance, fraud control and risk assessment standards, international anti-money laundering and tax evasion principles and practices, and fraud and corruption prevention and deterrence systems.

ACCY961 Professional Practice - Accounting

Not on offer in 2012
Credit Points: 6
Pre-requisites: ACCY901
Co-requisite: 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-requisite: 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-requisite: None
Subject Description: This subject provides an examination of Australia Taxation legislation, including Income Tax, Fringe Benefits Tax, Goods and Services Tax and Superannuation. The practical applications of this legislation are discussed, demonstrated, and applied to examples and set problems.

ACCY968 Insolvencies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject presents an in-depth study of the regulation of accounting and financial reporting. This includes an examination of theories of regulation, internationalisation of accounting, participants in the regulatory process, regulation of the accounting profession and the broader context of accounting regulation.

ACCY985 Special Topic in Accounting-A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject is a special topic to be selected from any area of financial accounting, management accounting, business finance, information systems or government accounting. The selection would be made by the Associate Head of School, taking into account the expertise of academic staff, including visiting staff, and the interest of students.

ACCY993 Research Essay 1

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is an individual program determined in consultation with the Associate Head of School.

ACCY994 Research Essay 2

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is an individual program determined in consultation with the Associate Head of School.

ACCY995 Research Project

Not on offer in 2012
Credit Points: 24
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is an individual program determined in consultation with the Associate Head of School.

COMM900 Intercultural Professional Practice (Commerce)

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: The objective of Intercultural Professional Practice is to equip graduates with the skills and knowledge to understand and implement the expectations of the Australian workplace both in the workplace, recruitment process and regulatory requirements. To achieve this the focus will be on developing: (1)inter cultural communication skills with emphasis on team work; (2)enhancing knowledge of Australian culture as it operates within the workplace; (3)developing communication skills required for the job search process and the workplace and (4)developing skills and knowledge of the job search process in the Australian context.

COMM980 Commerce Research Proposal

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to support the process of developing a Research Proposal for a Commerce-based Higher Degree Research project. It provides an introduction to discipline-independent research skills needed by every higher degree research student to form an effective Commerce research proposal, including but not limited to: an overview of different research paradigms; critical elements of the research process; theoretical, methodological, and substantive aspects of research; literature searching, review and critique; bibliographical organisation; methods for analysing, critiquing, and formulating arguments, as well as writing and structuring dissertations. In a series of workshops, students will learn approaches to critiquing academic literature and top peer-review other proposals. Students will be streamed into School specific groups (Management and Marketing, Accounting and Finance, Economics) in order to develop their own Research Proposals, and will learn the value of communicating research results by presenting these for lecturer and student review.

COMM981 Commerce Research Proposal

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 0
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to support the process of developing a Research Proposal for a business-based Higher Degree Research project. It provides an introduction to discipline-independent research skills needed by every higher degree research student to form an effective business research proposal, including but not limited to: an overview of different business research paradigms; critical elements of the research process; theoretical, methodological and substantive aspects of research; literature searching, review and critique; bibliography organisation; methods for analysing, critiquing and formulating arguments, as well as writing and structuring dissertations. In a series of workshops, students will learn approaches to critiquing academic literature and to peer-review other proposals. Students will be streamed into School-specific groups(Management and Marketing, Accounting and Finance, Economics) in order to develop their own Research Proposals and will learn the value of communicating research by presenting these for lecturer and student review.

ECON901 Monetary Economics

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The following topics will be covered: The WTO as an international organisation; capital-skill complementarity between new investment and technical progress; concerns about the role of international trade on growth and development; the role of multinational corporations in trade and technology transfers; human development, economic democracy and shared growth; international economic institutions (IBRD,IMF,WTO) and the national economies. Examples will be cited from developing and developed countries.

ECON906 History of Economic Thought

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject deals with advanced topics in the theory and practice of econometrics and covers contemporary issues of model specification, estimation, testing, and forecasting. The subject will be based on journal articles in which the current econometric issues are discussed.

ECON910 Economics for Professionals

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None

Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with ECON308
Subject Description: This subject studies labour supply, labour demand and wage rate determination in a market-orientated economy. The subject emphases the development and application of economic theory rather than an institutional approach to analyse labour markets. Several areas of application are drawn from the following and analysed in some detail. The effects of welfare programs on labour-market participation and hours of work; the effects of imposing a minimum wage in both competitive and non-competitive labour markets; the theory of human capital and its use in explaining observed earnings differentials; an explanation for occupational wage differentials, discrimination in the labour market; the rationale for labour unions; the economic impact of labour unions; and the causes of unemployment. Examples relate mostly to the Australian and US labour markets although some comparisons are drawn with labour markets in other countries.

ECON913 Industrial Organisation

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with ECON312
Subject Description: This subject provides the theoretical basis for the analysis of firm structure, conduct and performance. It focuses on issues related to the implementation of competitive policy from both national and international perspectives.

ECON915 Electronic Commerce and the Economics of Information

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with ECON315
Subject Description: Several areas of microeconomic theory will be selected for advanced treatment. Within each topic contemporary applications will be explored after the development of a theoretical base.

ECON918 Economics of Health and Health Care

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with ECON318 or ECON317
Subject Description: This subject is an introduction to the economics of health and health care. Topics covered include the supply and demand for health care, health care delivery systems, health insurance, program evaluation and the relationships between health, income and education. Government polices influencing all aspects of health care are analysed and evaluated.

ECON921 Econometric Models

Not on offer in 2012
Credit Points: 6
Pre-requisites: ECON221 or equivalent subjects approved by Head of Discipline
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: ECON111 and ECON122
Co-requisite: None
Exclusions: Not to count with ECON333
Subject Description: This subject provides study of advanced topics in game theory. The subject builds on traditional analytical techniques in economics based on assumptions of certainty and competitive markets. Using game theory, the analysis is extended to settings that traditional economic analysis is unable to cope with. These typically involve incorporating risk and uncertainty, asymmetric and incomplete information and strategic situations where the assumptions of competitive markets do not apply. The emphasis is on theoretical developments and the application of the central tools of game theory to real world problems of business and economics involving strategic interactions between parties.

ECON935 Advanced Managerial Economics and Operations Research

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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-requisite: 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, with emphasis on solutions to actual business problems. This is followed by discussion of the concepts and principles of statistical inference. The examination of the use of statistical techniques in managerial decision making processes including confidence intervals, hypothesis testing, quality control, linear and multiple regression and forecasting are applied in realistic case situations.

ECON941 Advanced Topics in Economics - A

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Topics for this subject may be drawn from any area of economics which the Head of the Discipline considers to be suitable preparation for a higher degree and appropriate to the student's special interests.

ECON944 Smalls Firms and the Economy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON910
Co-requisite: None
Subject Description: This subject will provide students with a solid foundation for understanding the role and contribution of small firms to the contemporary Australian economy, at both the national and regional levels. Key topics to be discussed will include: why small firms exist; the role and importance of entrepreneurship; the contribution of e-commerce, the role of networking and innovation in small firm competitiveness; small firms and their contribution to regional development; small firms and the global economy; public policy and small firm development; and small firm development strategies in other countries.

ECON945 Regional Development

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ECON910
Co-requisite: None
Subject Description: This subject will provide students with a solid understanding of the essential factors affecting the development of rural and regional economies in modern economies and introduce them to the tools available to analyse these developments. This will involve an analysis of the industrial structure of regional economies, the importance of various types of agglomeration economies, and the role of information transmission. The basic methodologies used to analyse the regional economic base and specialisation industries will be taught and students will be introduced to the more complex techniques also available. The interaction of regional economies with international markets will be emphasised, including mechanisms available to regional firms to improve their export performance. Government support programs available to regional firms will be discussed.

ECON982 International Economic Relations

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with ECON924 or INTR920
Subject Description: The subject will examine policy issues in the international economy, especially as they affect the Asia-Pacific region. The role of international economic organisations such as the IMF, World Bank, and GATT will be emphasised as well as issues such as free trade, protectionism, exchange rate determination and international capital flows. Options available to individual countries for international economic policy will be explored.

ECON983 Trade and Industry in East Asia

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description:

ECON992 Research Report

Not on offer in 2012
Credit Points: 24
Pre-requisites: None
Co-requisite: None
Subject Description:

ECON993 Thesis

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisite: None
Subject Description:

ECON996 Advanced Macroeconomic Theory

Autumn Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Exclusions: Not to count with ACCY921 and TBS 907
Subject Description: This subject presents the tools necessary for any finance professional, with an emphasis upon the management decision matrix and recognition of the professionalism necessary in modern industry contexts. Specific topics include financial ratio analysis, capital budgeting, long-term financial planning, current asset management, risk and return, investment decisions, financial policy and capital structure decisions, investment valuation, and basic derivatives.

FIN 922 Investment Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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, options and futures rather than on real assets. Particular subject covered includes portfolio choice, allocations of investments between risky and riskless assets, the term structure of interest rates, asset pricing models, options and futures trading and risk hedging with such financial derivatives.

FIN 923 Portfolio Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with ACCY923
Subject Description: This subject introduces students to modern portfolio theory and practice with focuses on optimal investment decision-making, portfolio construction, portfolio management and investment performance evaluation. In particular, this subject tracks on-going development of portfolio theory to provide students with a set of portfolio analytical tools. Students will be trained to analyse current financial market by applying those analytical skills.

FIN 924 Financial Statement Analysis For Business

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Exclusions: Not to count with ACCY925
Subject Description: This subject examines bank management theory as applied to the practice of bank operations within the banking sector. It entails comprehensive discussion on issues that are commonly involved within the banking environment such as the regulatory structure, risk management, commercial and consumer lending, capital adequacy analysis, banking financial futures and forwards, the cheque clearing system and the latest information technology within the banking world.

FIN 926 Advanced Managerial Finance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with ACCY926
Subject Description: This subject examines advanced aspects of corporate finance within the contemporary

business environment. The subject first analyses the impact of 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, managerial compensation, organisational architecture and risk management, debt and equity strategies, mergers and acquisitions and emerging market corporate finance.

FIN 927 Entrepreneurial Finance

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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 930 Islamic Banking and Finance

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to provide students a basic understanding of the principles, nature and form of Islamic Banking and Finance. Various aspects of Islamic Banking and Islamic Finance will be discussed such as: Modes of Financing, Product Development, Shariah Standards & Rulings, Islamic Investment products, Islamic Capital Markets, Islamic Insurance(takaful) System and Islamic Risk Management, etc. A historical background as well as the challenges for Islamic Banking and Finance will also be discussed.

FIN 955 International Banking

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

FIN 956 Bank Lending and Securities

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

FIN 957 Portfolio Simulation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Exclusions: Not to count with ACCY987
Subject Description: This subject provides an opportunity for students to study a topic of interest within the theory and application of finance. The program of study comprises a combination of coursework and/or research with subject objectives and assessment approved by the Associate Head of School.

FIN 993 Research Essay 1

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: In this subject, students are required to undertake research into a topic of their choice, subject to approval by the Associate Head of School. The topic is completed under the supervision of an individual member of staff and culminates in the production of a research essay.

FIN 994 Research Essay 2

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: None

Subject Description: This subject provides students with an opportunity to extend and synthesise knowledge from their study of finance into a major research study, subject to approval by the Associate Head of School. The subject is particularly designed to enable students to develop their research potential.

FIN 995 Research Project

Not on offer in 2012
Credit Points: 24
Pre-requisites: None
Co-requisite: 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.

IBSR911 Consumer Behaviour and Market Segmentation

Trimester 1 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject develops knowledge and understanding of the underlying reasons for citizen/consumer behaviour, attitudes and perceptions both in real world and computer-mediated contexts, and develops the student's ability to understand and properly assess both the common and more advanced segmentation methods. An emphasis is placed on providing foundations while exposing students to the latest theoretical and methodological developments in the field.

IBSR912 Qualitative & Quantitative Measurement in Social and Market Research

Trimester 1 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will have two modules. Module 1: Gaining valid insights through qualitative market and social research, will examine two alternative approaches to qualitative data collection and analysis: Analytic Qualitative Research and the Unfocussed Group Discussion Technique. Students will have the opportunity to train their analytic skills as qualitative analysts. Module 2: Measuring constructs in market and social research quantitatively, will address the measurement challenges specific to social and market research. Students will be introduced to the main measurement paradigms used to develop scales. This will enable students to choose the more suitable measurement procedure for their quantitative research.

IBSR913 Brand Image and Advertising Research

Trimester 2 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will have two modules. Module 1: Brand image / corporate reputation is a key building block for success. Measuring it validly is key to brand image / reputation management. Participants will be introduced to improved measures to validly capture perceived brand image and to a procedure for identifying the most important brand image attributes. Module 2: Advertising represents a significant expense for both profit and non profit organisations. It is therefore crucial to be able to assess validly their effectiveness. Participants will discuss the weaknesses of current advertising effectiveness and campaign tracking approaches and will be presented with valid pre-testing and tracking methodologies.

IBSR990 Minor Project in Marketing and Social Research

Trimester 2 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with IBSR991
Subject Description: Under the guidance of a project supervisor, this subject provides experience in the use of knowledge and skills learned within the course to a research project examining an aspect of marketing and social research theory or application. The focus is on the practice of marketing and social research methods, but some theoretical and conceptual underpinning is important. The topic of the project will be chosen in an area that is related to the student's interests and likely professional development. It can be chosen to be relevant to the student's current or anticipated career.

IBSR991 Major Project in Marketing and Social Research

Trimester 2/Trimester 3 Sydney On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with IBSR990
Subject Description: Under the guidance of a project supervisor, It provides students with the opportunity to undertake a mini thesis, with the aim of tackling a key theoretical and/or an applied issue critical to the future development of the practice of marketing and social research. The focus is on the practice of marketing and social research methods, but some theoretical and conceptual underpinning is important. The topic of the project will be chosen in an area that is related to the student's interests and likely professional development. It can be chosen to be relevant to the student's current or anticipated career.

MARK901 Internet Applications for Marketing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject will give students an appreciation of the differences between organisational and consumer customers. Organisation buying practices are different from the processes of consumers and as a result marketing strategy and operations have distinctly different imperatives. With a much higher level of rationality in decision making, there is a far greater focus on product management and innovation as a source of competitive advantage. There is also a far greater focus on logistics and distribution functions as reliability of supply is a key need of customers, particularly when product delivery has to interface directly with customer operations. The central role of personal selling in the promotional mix is also dealt with in depth as it is critically important in generating sales and maintaining relationships with customers.

MARK920 Social Marketing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Students will design their own social marketing campaign, demonstrating the strategic choices a senior executive needs to make when attempting to change strongly ingrained behaviour or firmly held beliefs in a manner that benefits individuals and society at large. 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. Examples of social marketing include campaigns to reduce or prevent smoking, alcohol consumption, drug use, domestic violence and unsafe driving.

MARK922 Marketing Management

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: Marketing strategy is a process that can allow an organization to concentrate its resources, human and financial on the greatest opportunities to increase sales and achieve a sustainable competitive advantage. A key aspect of this subject is that students will be treated as members of the "senior management executive" throughout the course and will be expected to show a thorough understanding of all the factors affecting marketing strategy decision making. Drawing heavily from theory this subject focuses on the manner in which strategy is developed. While still having a heavy focus on the marketplace and competitor analysis, we will examine which stakeholder influences affect strategy formulation and how organizations are responding to the new media age where there is increasing scrutiny from a variety of special interest stakeholder groups who expect them to act in an ethical and socially responsible manner.

MARK936 Consumer Behaviour

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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 Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject covers theoretical and practical considerations of marketing communications. It includes the range of promotional tools an organisation may use to position the organisation's brand in the minds of different stakeholder audiences, relative to competing brands, and enhance the organisation's brand equity, whether the organisation is a commercial, non-profit, or social entity. These tools include advertising, sales promotions, direct marketing, sponsorship programs, personal selling, publicity and public relations.

MARK954 Special Topic in Marketing A

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

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: For many companies over 40% of current sales revenue is generated by new products or services that have been introduced within the last three years. This subject is designed to provide students with a thorough understanding of the processes associated with the development and marketing of a new product in today's complex environment. The focus for this course is the role marketing plays in a systematic and multi-functional, approach to the process of 'new product development' (NPD). A key aspect of this course is that students will be treated as members of top management, the ultimate decision makers and will be expected to show a thorough understanding of all the factors affecting new product strategy development, implementation, management and review. In particular, the increasing call for ethical and sustainable new products and services will be a focus of the course. The topics to be covered are: new product strategy, idea generation, opportunity identification, concept evaluation, concept testing, market testing and strategic launch planning.

MARK957 International Marketing Strategy

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 strategic plans 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 and strategy development. Case studies and videos exemplifying both successful and unsuccessful strategies are utilised as key tool learning tools.

MARK959 Sales Management

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 data collection, data analysis and report preparation.

MARK980 Strategic Brand Management

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Brands are valuable and important assets that can be useful competitive differentiators that need to be considered and managed strategically often over considerable periods of time and across various geographic locations. This subject focuses on brand management that involves developing brands, managing them in the long run and measuring brand performance to help ensure firms sustain profits. By taking this subject students will be able to learn how to: a) identify and establish brand positioning and values, b) plan and implement brand marketing programs, and c) measure and interpret brand performance.

MARK989 Marketing Special Topic

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 24
Pre-requisites: None
Co-requisite: None
Subject Description:

MARK991 Major Thesis

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

Co-requisite: None
Subject Description:

MARK995 Tourism Marketing
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: MARK995 provides and introduction to tourism including its evolution and growth as well as an explanation of tourism concepts and frameworks. In addition to focusing on the application of marketing principles to tourism, the subject examines contemporary issues in tourism ranging from current research and practice, and sustainability and tourism.

MARK997 Retail Marketing Management
Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will include a background to retailing, the scope of retailing, retailing strategies, merchandise and store management. Particular emphasis will be placed on case analysis in order to bring as much of the real world as possible into the classroom.

MGMT901 Fundamentals of Management
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides an overview of the principles of management, viewed in the context of western management literature. Students also develop competence in a range of academic skills at tertiary level. Chief management topics include: Management theories; The external environment, ethics and corporate social responsibility; The internal environment and organisational culture; Managing diversity; Strategy and structure; Leadership, Motivation; Managing information; Decision making; Managing people; Managing in a global environment. Chief academic skills topics include: Locating academic material; Referencing and use of other people's intellectual property; Summarising journal articles - what is important? Identifying the problem in a management case; Writing a research report.

MGMT908 Human Resources Development
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 their intellectual and learning system capacities. It covers theoretical and practical aspects of individual, group and organisational learning, with an emphasis on the design, delivery and evaluation of workplace training and development. The concept of high level transformative learning is also developed as a way to change organisations through their human capital and capabilities.

MGMT910 Strategic Management
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject introduces students to theories, concepts and practical issues associated with strategic management. Topics examined include strategy formulation, choice and implementation; strategy, 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-requisite: 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, decision-making, power, politics and ethics.

MGMT915 Management of Change
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject provides students with an understanding of the key theoretical concepts used to analyse work organisations as complex socially constructed entities. The subject approaches organisational analysis using multiple perspectives, each with a dominant metaphor. Emphasis is placed on the theoretical foundations of the perspectives. In conjunction with the work of major organisational theorists, each perspective's metaphorical roots are explored in depth. Students then learn to use the perspectives to identify the dynamics of real organisations.

MGMT930 Strategic Human Resource Management
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject investigates the innovation and entrepreneurial processes, including new venture creation (small firms) and intrapreneurship (established firms). Students learn how to differentiate between a good idea and a real business opportunity. A key aspect 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

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Focusing on small and medium enterprises (SMEs), this subject has both a theoretical and a practical emphasis. It gives students an opportunity to develop their awareness and understanding of the key factors associated with successfully starting, operating, and growing SMEs. It examines realistic small business scenarios, as well as the growth area of franchising.

MGMT946 Personal Learning: The Reflective Manager

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject addresses performance management, which is defined as an ongoing communication process that involves both the performance manager and employee. Key aspects of this process are examined. Topics include: identifying and describing essential job functions and relating them to the mission and goals of the organisation; developing performance standards; giving and receiving feedback about performance; writing and communicating constructive performance evaluations, and planning education and development activities to maintain and improve employee work performance.

MGMT953 Human Resource Management

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject provides students with a grounding in key Occupational Health and Safety management models and their application within a regulatory environment. It engages students in tools, techniques, processes and their legal and moral implications in situated use in differing organisational contexts. Key topics covered will include the regulatory context, risk management, the role of culture and politics, Occupational Health and Safety Management Systems and employee involvement.

MGMT969 Job Analysis, Recruitment and Selection

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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 pose for international managers.

MGMT983 Leading Organisations: Politics, Power and Change Agency

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: Approved program of study agreed with the Head of the Department of Management

MGMT987 Management Special Topic

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

MGMT990 Minor Thesis

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

PRMM901 Corporate Identity and Branding

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

PRMM902 Interactive Public Relations

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

PRMM903 Public Relations for Innovation and Change

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with a critical understanding of public relations strategies and relationship management processes. It will examine how public relations can strengthen and add value to innovation and change-related communication practices such as launching businesses and products, communicating change during mergers and acquisitions, and inspiring social innovation. Key topics covered include: strategies for encouraging innovation, communicating and responding to change, persuasion and publicity, the strategic design of meanings, and collaborative decision making.

Faculty of Creative Arts

Programs

Creative Writing
Graphic Design
Journalism
Media Arts
Music
Theatre
Visual Arts

Courses Offered

Research

Doctor of Creative Arts *(see page 58)*
Doctor of Philosophy *(see page 60)*
Doctor of Philosophy (Integrated) *(see page 62)*
Master of Arts - Research *(see page 64)*
Master of Creative Arts - Research *(see page 67)*

Coursework

Master of Creative Arts *(see page 69)*
Master of Journalism *(see page 70)*
Master of Journalism Advanced* *(see page 71)*
Master of Professional Writing* *(see page 71)*
Master of Professional Writing Advanced* *(see page 71)*
Graduate Certificate in Journalism* *(see page 72)*
Graduate Certificate in Broadcast Journalism* *(see page 72)*
Graduate Certificate in Professional Writing* *(see page 72)*
*These courses are currently under review and not available to commencing students in 2012.

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

Further information

Further information is available at:

UOW Coursefinder	http://coursefinder.uow.edu.au/
Creative Arts Email	fca_enquiries@uow.edu.au
Creative Arts Website	http://www.uow.edu.au/crearts

Doctor of Creative Arts

Testamur Title:	Doctor of Creative Arts
Abbreviation:	DCA
Home Faculty:	Faculty of Creative Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
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 (dissertation) 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.

Entry Requirements / Assumed Knowledge

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

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

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

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

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

Course Requirements

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

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

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

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

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

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

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

Graphic Design: Major graphic design portfolio/exhibition and/or website/CD-Rom.

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

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

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

Visual Arts: Major solo exhibition of artwork plus documented preliminary exhibitions.

Major Study Areas

Graphic Design

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

Media Arts

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

Visual Arts

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

Creative Writing

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

Music

- Composition
- Digital and New Musics
- Tuning Systems

Theatre

- Performance
- Dramaturgy and Performance Studies
- Direction

Assessment

On commencement, students and their supervisors complete a Commencement of Candidature Form that confirms the expectations of the candidacy, particularly for the first year, the research/creative topic, a plan and timetable for the creative work and dissertation, and 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. 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 examiners chosen from a list prepared by the supervisor/s in consultation with the student and approved by the Head of Postgraduate Studies.

Research Proposal Reviews (RPR)

The University's Progress Review Guidelines stipulate that no later than the completion of the equivalent of one year full-time enrolment, students must present an oral research presentation and prepare a written research plan and preliminary literature review. Students must also provide a written timetable for the coming year, and a statement of the resources required to complete their project (e.g. access to laboratories, field trips, libraries, specialist equipment etc). In the Faculty of Creative Arts, this Review encompasses student's research in terms of both their theoretical

and creative work.

The Research Proposal Review Committee to hear students' oral research presentations usually meet during the Faculty's Postgraduate Week normally held in September each year.

Other Information

Further information is available at:

UOW Coursefinder	http://coursefinder.uow.edu.au/
Creative Arts Email	fca_enquiries@uow.edu.au
Creative Arts Website	http://www.uow.edu.au/crearts

Doctor of Philosophy

Testamur Title:	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 – Doctor of Philosophy

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

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

It may be possible for individuals with appropriate expertise to undertake studies that involve more than one discipline area.

Overview – Doctor of Philosophy (Journalism)

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

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

Entry Requirements / Assumed Knowledge - Doctor of Philosophy

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

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

Entry Requirements / Assumed Knowledge - Doctor of Philosophy (Journalism)

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

Applicants must submit a one page statement detailing their research history and professional experience and a comprehensive proposal of 2500 words. Applicants will be assessed on the relevance of the proposal to the research interests of the journalism program. Other topics will be considered against the research expertise available in the Faculty. Applicants applying on the basis of professional media experience must include work samples.

Guidelines for submitting the research proposal are at http://www.uow.edu.au/crearts/ under prospective postgraduates.

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

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

Course Requirements - Doctor of Philosophy

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

Submission will be in the form of:

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

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

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

Major Study Areas

For major study areas please refer to listings under the Doctor of Creative Arts.

Course Requirements - Doctor of Philosophy (Journalism)

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

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

The length and other requirements of a practical project will be determined during the proposal development process. As a guide, a significant print project would usually require the submission of approximately 50,000 words and could take the form of an inter-related series of features; a single piece of narrative non-fiction; or a project undertaken as an audio or audiovisual documentary. The latter would usually be of 60 - 90 minutes duration depending on the complexity of material and style. The parameters of equivalent combined multimedia projects will be determined on an individual basis. The exact nature of each submission will vary according to the student's educational and professional background and will be negotiated in consultation with the supervisor/s and the Head of Postgraduate Studies.

Major Study Areas

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

Assessment

On commencement, students and their supervisors complete a Commencement of Candidature Form that confirms the expectations of the candidacy, particularly for the first year, the research/creative topic, a plan and timetable for

the creative work and dissertation, and 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. 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.

The final research submission for the PhD is examined by two external examiners chosen from a list prepared by the supervisor/s in consultation with the student and approved by the Head of Postgraduate Studies.

Research Proposal Reviews (RPR)

The University's Progress Review Guidelines stipulate that no later than the completion of the equivalent of one year full-time enrolment in the research component of the course, students must present an oral research presentation and prepare a written research plan and preliminary literature review. Students must also provide a written timetable for the coming year, and a statement of the resources required to complete their project (e.g. access to laboratories, field trips, libraries, specialist equipment etc). In the Faculty of Creative Arts, this Review encompasses student's research in terms of both their theoretical *and* creative/practical work.

The Research Proposal Review Committee to hear students' oral research presentations usually meet during the Faculty's Postgraduate Week normally held in September each year.

Other Information

Further information is available at:

UOW Coursefinder	http://coursefinder.uow.edu.au/
Creative Arts Email	fca_enquiries@uow.edu.au
Creative Arts Website	http://www.uow.edu.au/crearts

Doctor of Philosophy (Integrated)

Testamur Title:	Doctor of Philosophy (Integrated)
Abbreviation:	PhD (Int)
Home Faculty:	Faculty of Creative Arts
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Coursework component – On Campus Supervised individual research/creative project
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	210
CRICOS Code:	072906F

Overview

The Doctor of Philosophy (Integrated) is a four-year research degree which integrates a traditional three-year PhD with one-year of preliminary coursework. The coursework helps prepare candidates to 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. The PhD is the qualification normally required for academic employment at a university or research institute.

For more information on the PhD (Integrated) please go to: http://www.uow.edu.au/research/rsc/prospective/UOW086290.html

Entry Requirements

The PhD (Integrated) is designed for candidates who have a 4 year undergraduate degree, or a coursework Masters degree, with a minimum Credit average (65% or GPA 3.0 out of 4.0), or equivalent. Candidates with an honours degree would normally enter the traditional three year PhD.

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

All applications must be approved by the Faculty's Head of Postgraduate Studies (HPS). Approval depends on the availability of supervision for the proposed research topic.

Credit Arrangements

Applicants who have completed other relevant qualifications deemed to be equivalent may be granted credit transfer for one or more of the coursework subjects. Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Requirements

Students must complete the 24 credit point subject, CREA921 (Research Topics in Creative Arts) and two 12 credit point coursework subjects in their discipline area.

In order to progress to the research component, PhD (Integrated) students must complete CREA921 at 65% or higher and the two coursework subjects with an average of 65%.

Students not meeting these requirements may be offered an alternative of transferring into a Masters program.

Students progressing to the research component will have developed their specific research topic before commencing the research component. They will enrol in THES924 Thesis (full-time) or THES912 Thesis (part-time).

Submission for the research component will be in the form of:

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

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

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

Course Program

Subject Code	Subject Name	Session	Credit Points
CREA921	Research Topics in Creative Arts	Autumn or Spring or Annual	24
Plus two coursework subjects in the area of specialisation:			
Creative Writing			
WRIT910	Analysis of Texts	Autumn	12
WRIT911	Literary Composition	Spring	12
Graphic Design			
DESN910	Graphic Design Theory and Industry Research Methodologies	Autumn	12
DESN911	Studies in Process and Analysis: Graphic Design and New Media	Spring	12
Media Arts			
DESN910	Graphic Design Theory and Industry Research Methodologies	Autumn	12
DESN911	Studies in Process and Analysis: Graphic Design and New Media	Spring	12
OR			
VISA910	Visual Arts Theory	Autumn	12
VISA911	Studies in Process and Analysis: Visual Arts	Spring	12
Music Composition			
MUS910	Music Analysis	Not offered in 2012	12
MUS915	Studies in Composition Technique	Not offered in 2012	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
AND			
THES924/ THES912	Thesis full-time/part-time	Autumn and/or Spring	48

Major Study Areas

For major study areas please refer to listings under the Doctor of Creative Arts.

Assessment

On commencement, students and their supervisors complete a Commencement of Candidature Form that confirms the expectations of the candidacy, particularly for the first year, the research/creative topic, a plan and timetable for the creative work and dissertation, and 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. 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.

The final research submission for the PhD(Int) is examined by two external examiners chosen from a list prepared by the supervisor/s in consultation with the student and approved by the Head of Postgraduate Studies.

Research Proposal Reviews (RPR)

The University's Progress Review Guidelines stipulate that no later than the completion of the equivalent of one year full-time enrolment in the research component of the course, students must present an oral research presentation and prepare a written research plan and preliminary literature review. Students must also provide a written timetable for the coming year, and a statement of the resources required to complete their project (e.g. access to laboratories, field trips, libraries, specialist equipment etc). In the Faculty of Creative Arts, this Review encompasses student's research in terms of both their theoretical *and* creative work.

The Research Proposal Review Committee to hear students' oral research presentations usually meet during the Faculty's Postgraduate Week normally held in September each year.

Other Information

Further information is available at:

UOW Coursefinder	http://coursefinder.uow.edu.au/
Creative Arts Email	fca_enquiries@uow.edu.au
Creative Arts Website	http://www.uow.edu.au/crearts

Master of Arts - Research

Testamur Title:	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:	Coursework component – On Campus*
	Supervised individual research/creative project
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1343
CRICOS Code:	042539F

* Coursework may be required depending on entry level

Overview – Master of Arts - Research

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 the Doctor of Philosophy or 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 which involve more than one discipline area.

Overview – Master of Arts – Research (Journalism)

The Master of Arts-Research (Journalism) is a flexible degree that allows students to pursue a detailed research project through either traditional thesis research or a significant practical journalism project with a theoretical exegesis. Innovative approaches to journalism and journalism studies that explore interdisciplinary academic approaches or extend journalism practice into areas such as creative non-fiction and multimedia documentary are encouraged.

Students are also required to complete a 24 credit point coursework subject.

In some cases, it may be possible to apply to transfer to the Doctor of Philosophy after a suitable period of study

(normally at least the equivalent of nine months of full-time enrolment).

Entry Requirements / Credit Transfer - Master of Arts - Research

Applicants who have completed an Honours Bachelor degree in an appropriate discipline at Class II, Division 1 or higher, or other relevant qualifications deemed to be equivalent, may be granted credit transfer for the 24 credit point coursework subject CREA921 (Research Topics in Creative Arts).

Applicants without appropriate qualifications or research background will be required to undertake CREA921 and, on successful completion at credit level or better, may be permitted to proceed into the Thesis subject.

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

Entry Requirements / Credit Arrangements - Master of Arts – Research (Journalism)

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

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

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

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

Guidelines for submitting the research proposal are at: http://www.uow.edu.au/crearts/futurepostgrad under Additional Information.

Course Requirements – Master of Arts - Research

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

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

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

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

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

Course Program

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

Major Study Areas

Refer to listing under Doctor of Creative Arts entry.

Course Requirements – Master of Arts – Research (Journalism)

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

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

MA-Res(Journalism) students must also complete JOUR992 (Research Topics in Journalism). Assessment is by two external assessors.

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

Course Program

Subject Code	Subject Name	Credit Points	Session
JOUR992	Research Topics in Journalism	24	Autumn or Spring or Annual
And			
THES924	Thesis full time	24	Autumn and/or Spring
Or			
THES912	Thesis part time	12	Autumn and/or Spring

Major Study Areas

See listing under the Doctor of Philosophy (Journalism) entry.

Assessment

On commencement, students and their supervisors complete a Commencement of Candidature Form that confirms the expectations of the candidacy, particularly for the first year, the research/creative topic, a plan and timetable for the creative work and dissertation, and 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. 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.

The final research submission for the MA-Res is examined by two external examiners chosen from a list prepared by the supervisor/s in consultation with the student and approved by the Head of Postgraduate Studies.

Research Proposal Reviews (RPR)

The University's Progress Review Guidelines stipulate that no later than the completion of the equivalent of one year full-time enrolment in the research component of the course, students must present an oral research presentation and prepare a written research plan and preliminary literature review. Students must also provide a written timetable for the coming year, and a statement of the resources required to complete their project (e.g. access to laboratories, field trips, libraries, specialist equipment etc). In the Faculty of Creative Arts, this Review encompasses student's research in terms of both their theoretical *and* practical work.

The Research Proposal Review Committee to hear students' oral research presentations usually meet during the Faculty's Postgraduate Week normally held in September each year.

Other Information

Further information is available at:

UOW Coursefinder	http://coursefinder.uow.edu.au/
Creative Arts Email	fca_enquiries@uow.edu.au
Creative Arts **Website**	**http**://www.uow.edu.au/crearts

Master of Creative Arts - Research

Testamur Title:	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:	Coursework component - On Campus*
	Supervised individual research/creative project
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1302
CRICOS Code:	044409M

* Coursework may be required depending on entry level

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 of creative work. 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.

Entry Requirements / Assumed Knowledge

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

Credit Transfer

Applicants who have completed other relevant qualifications deemed to be equivalent may be granted credit transfer for one or both of the 12 credit point coursework subjects. Students seeking credit transfer are advised to contact the Faculty or UniAdvice for further details and refer to the General Course Rules.

Course Requirements

Students must complete two 12 credit point coursework subjects in their discipline area. Students also enrol in THES924 Thesis (full-time) or THES912 Thesis (part-time) under which they complete a major presentation of creative work. The submission of creative work will normally be by exhibition, performance or presentation in the area of the major, supported by written documentation (approximately 5,000 words) focusing on aspects such as origins of the work, structures and techniques used, and artistic theories underpinning the work. The Faculty requires that students submit their written documentation no later than the date of examination of their final exhibition or performance, except under extraordinary circumstances approved by the supervisor and Head of Postgraduate Studies. Students presenting folios, for example literary manuscripts or music compositions, should place their dissertation and folio together in one submission for examination.

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

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

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

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

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

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

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

Visual Arts: Major solo exhibition of artwork plus documented preliminary exhibitions. As an example of content,

painters should submit at least eight to 12 major pieces, plus drawings and supporting material of exhibition standard. Equivalent amounts of work will be expected of students working in other areas of the visual arts.

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

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

Course Program

Subject Code	Subject Name	Credit Points	Session
THES924	Thesis full-time	24	Autumn and/or Spring
OR			
THES912	Thesis part-time	12	Autumn and/or Spring
Plus coursework subjects in the area of specialisation:			
Creative Writing			
WRIT910	Analysis of Texts	12	Autumn
WRIT911	Literary Composition	12	Spring
Graphic Design			
DESN910	Graphic Design Theory and Industry Research Methodologies	12	Autumn
DESN911	Studies in Process and Analysis: Graphic Design and New Media	12	Spring
Media Arts			
DESN910	Graphic Design Theory and Industry Research Methodologies	12	Autumn
DESN911	Studies in Process and Analysis: Graphic Design and New Media	12	Spring
OR			
VISA910	Visual Arts Theory	12	Autumn
VISA911	Studies in Process and Analysis: Visual Arts	12	Spring
Music Composition			
MUS 910	Music Analysis	12	Not on offer in 2012
MUS 915	Studies in Composition Technique	12	Not on offer in 2012
Theatre			
THEA910	Theatre Analysis	12	Autumn
THEA911	Advanced Techniques in Theatre	12	Spring
Visual Arts			
VISA910	Visual Arts Theory	12	Autumn
VISA911	Studies in Process and Analysis: Visual Arts	12	Spring

Major Study Areas

Refer to listing under Doctor of Creative Arts entry.

Assessment

On commencement, students and their supervisors complete a Commencement of Candidature Form that confirms the expectations of the candidacy, particularly for the first year, the research/creative topic, a plan and timetable for the creative work and dissertation, and 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. 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.

The Master of Creative Arts-Research submission of creative work is examined by two external examiners chosen from a list prepared by the supervisor/s in consultation with the student and approved by the Head of Postgraduate Studies.

Research Proposal Reviews (RPR)

The University's Progress Review Guidelines stipulate that no later than the completion of the equivalent of one year full-time enrolment, students must present an oral research presentation and prepare a written research plan and preliminary literature review. Students must also provide a written timetable for the coming year, and a statement of the resources required to complete their project (e.g. access to laboratories, field trips, libraries, specialist equipment etc). In the Faculty of Creative Arts, this Review encompasses student's research in terms of both their theoretical *and* creative work.

The Research Proposal Review Committee to hear students' oral research presentations usually meet during the Faculty's Postgraduate Week normally held in September each year.

Other Information

Further information is available at:

UOW Coursefinder	http://coursefinder.uow.edu.au/
Creative Arts Email	fca_enquiries@uow.edu.au
Creative Arts Website	http://www.uow.edu.au/crearts

Master of Creative Arts

Testamur Title:	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:	Coursework component - On Campus Supervised individual research/creative project
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	564
CRICOS Code:	000290G

Overview

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

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

It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area.

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.

All students must submit a detailed outline of their proposed work for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

Assessment will be by two internal assessors and students will be awarded a 'satisfactory' or 'unsatisfactory' grade for the major presentation.

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

The following is intended as a guide for the Major Presentation:

DESN913 Major Presentation – Graphic Design

As an example of content, graphic designers would submit 10 graphic design works; interactive designers would produce a major interactive web site or multimedia piece, or several smaller sites or multimedia works. An analytical commentary of approximately 1,500 words should accompany the Major Presentation.

MUS914 Major Presentation – Music Composition

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

THEA913 Major Presentation – Theatre

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

VISA913 Major Presentation – Visual Arts

As an example of content, painters should submit at least eight major pieces, plus drawings and supporting material of exhibition standard. Equivalent amounts of work will be expected of students working in other areas of the visual arts. A catalogue essay of approximately 2,000 words must accompany the Major Presentation.

WRIT913 Major Presentation – Creative Writing

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

Course Program

Subject Code	Subject Name	Credit Points	Session
Creative Writing			
WRIT910	Analysis of Texts	12	Autumn
WRIT911	Literary Composition	12	Spring
WRIT913	Major Presentation – Creative Writing	24	Annual
Graphic Design			
DESN910	Graphic Design Theory and Industry Research Methodology	12	Autumn
DESN911	Studies in Process and Analysis: Graphic Design	12	Spring
DESN913	Major Presentation - Graphic Design	24	Annual
Music Composition			
MUS 910	Music Analysis	12	Not on offer in 2012
MUS 915	Studies in Composition Technique	12	Not on offer in 2012
MUS 914	Major Presentation - Music Composition	24	Not on offer in 2012
Theatre			
THEA910	Theatre Analysis	12	Autumn
THEA911	Advanced Techniques in Theatre	12	Spring
THEA913	Major Presentation - Theatre	24	Annual
Visual Arts			
VISA910	Visual Arts Theory	12	Autumn
VISA911	Studies in Process and Analysis: Visual Arts	12	Spring
VISA913	Major Presentation - Visual Arts	24	Annual

Other Information

Further information is available at:

UOW Coursefinder	http://coursefinder.uow.edu.au/
Creative Arts Email	fca_enquiries@uow.edu.au
Creative Arts Website	http://www.uow.edu.au/crearts

Master of Journalism

Testamur Title:	Master of Journalism
Abbreviation:	MJour
Home Faculty:	Faculty of Creative Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Not available for commencement in 2012
Location:	Wollongong
UOW Course Code:	573
CRICOS Code:	N/A

This course is currently under review and is not available to commencing students in 2012.

Other Information

Further information is available at http://coursefinder.uow.edu.au/

Master of Journalism Advanced

Testamur Title:	Master of Journalism Advanced
Abbreviation:	MJourAdv
Home Faculty:	Faculty of Creative Arts
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus
Starting Session(s):	Not available for commencement in 2012
Location:	Wollongong
UOW Course Code:	1593
CRICOS Code:	N/A

This course is currently under review and is not available to commencing students in 2012.

Other Information

Further information is available at http://coursefinder.uow.edu.au/

Master of Professional Writing

Testamur Title:	Master of Professional Writing
Abbreviation:	MProfWrit
Home Faculty:	Faculty of Creative Arts
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Not available for commencement in 2012
Location:	Wollongong
UOW Course Code:	1595
CRICOS Code:	N/A

This course is currently under review and is not available to commencing students in 2012.

Other Information

Further information is available at http://coursefinder.uow.edu.au/

Master of Professional Writing Advanced

Testamur Title:	Master of Professional Writing Advanced
Abbreviation:	MProfWritAdv
Home Faculty:	Faculty of Creative Arts
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus
Starting Session(s):	Not available for commencement in 2012
Location:	Wollongong
UOW Course Code:	1594
CRICOS Code:	N/A

This course is currently under review and is not available to commencing students in 2012.

Other Information

Further information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Journalism

Testamur Title:	Graduate Certificate In Journalism
Abbreviation:	GradCertJour
Home Faculty:	Faculty of Creative Arts
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	Not available for commencement in 2012
Location:	Wollongong
UOW Course Code:	1174
CRICOS Code:	N/A

This course is currently under review and is not available to commencing students in 2012.

Other Information

Further information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Broadcast Journalism

Testamur Title:	Graduate Certificate in Broadcast Journalism
Abbreviation:	GradCertBroadcastJour
Home Faculty:	Faculty of Creative Arts
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	Not available for commencement in 2012
Location:	Wollongong
UOW Course Code:	1173
CRICOS Code:	N/A

This course is currently under review and is not available to commencing students in 2012.

Other Information

Further information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Professional Writing

Testamur Title:	Graduate Certificate in Professional Writing
Abbreviation:	GradCertProfWrit
Home Faculty:	Faculty of Creative Arts
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	Not available for commencement in 2012
Location:	Wollongong
UOW Course Code:	1175
CRICOS Code:	N/A

This course is currently under review and is not available to commencing students in 2012.

Other Information

Further information is available at http://coursefinder.uow.edu.au/

FACULTY OF CREATIVE ARTS

CREA921 Research Topics in Creative Arts

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

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

DESN901 Commercial Graphic Design Practice

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with DESN301
Subject Description: This unit uses a Design Studio Team model, with students assigned the roles which operate within a design studio. Students are assigned commercial job briefs under the art direction of the lecturer. Clients are selected by the lecturer and students are expected to work within publishing budgets and meet strict production deadlines. Students undertaking this subject will be required to work additional hours outside the subject timetable in order to undertake liaison with clients and coordinate services of commercial printers, pre-press, copywriting and photographic and other production services. Class and group communication in their subject will be conducted, in part, via Web CT.

DESN902 Reflective Design Practice

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with DESN302
Subject Description: This unit focuses on building a professional design profile and developing a reflective practice. The development of a design profile of self-selected projects involving design for print and interactive media will focus on developing each students design strengths and personal style. Engaging with reflective practice provides a framework for understanding and plotting the process of design practice and activity. The inclusion of structured reflection provides a scaffold for the designer to unpack the design process and expose the design knowledge and skill implicit in the finished design project.

DESN910 Graphic Design Theory and Industry Research Methodologies

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

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

DESN911 Studies in Process and Analysis - Graphic Design

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

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

DESN913 Major Presentation - Graphic Design

Annual	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

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

DESN923 Major Presentation - Graphic Design

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with DESN913
Subject Description: Students will develop a substantial portfolio presentation that demonstrates original thinking, knowledge of the design area, and technical and production abilities that are required to produce a major piece of design work in a sustained thematic and cohesive way. As an example of content, graphic designers would submit 10 graphic design works; interactive designers would produce a major interactive web site or multimedia piece, or several smaller sites or multimedia works. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

DESN960 Graphic Design Theory and Industry Research Methodologies

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with DESN910
Subject Description: This subject explores key aspects of contemporary graphic design theory and practice in both national and transnational contexts. It allows students to develop their own research within specific theoretical frameworks and with knowledge of historical design movements. The subject overviews production processes and emerging technologies of visual communications at both an individual and industrial level. As opportunity permits, guest designers and industry representatives will lead discussion on relevant design issues.

DESN961 Studies in Process and Analysis - Graphic Design

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with DESN911
Subject Description: Students will develop a design concept based on relevant research, technical issues and design process. The concept will demonstrate research and critical analysis of the issues involved in producing a creative design work and may refer to examples of similar work by recognised designers or design movements. Students will be expected to work independently and at an advanced level and consult with their Subject Co-ordinator at specified benchmark times in the development of their work.

DESN991 New Media Theory

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with DESN321
Subject Description: This unit introduces students to theories of new media design from analogue to digital (including web and interactive multimedia). Students are directed toward historical and current critical thinking and research resources. Topics covered include: the genealogy of key analogue and digital imaging theories; philosophical influences and analytical methods for investigating new media design products in their social, historical, cultural and political contexts; post-modernism and digital design; the impact of technological convergence on designing the post-human; digital animation and cinema; recent digital design movements and major theorists; critical writings on web design and multimedia design; and relationship of new media design to visual communications.

DESN992 Advanced Graphic Design Theory

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with DESN322
Subject Description: This unit expands on theories of design examined in previous semesters. Students are introduced to historical and current critical thinking and research resources. Topics covered include: historical trends, post-modernism and consumer design; fashion and subculture issues in design; globalization and design; philosophical influences and analytical methods of investigating design products in their social, historical, cultural and political contexts; design movements, theorists and critical writings on design practice.

JOUR992 Research Topics in Journalism

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 24
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to provide students enrolled in the Master of Arts-Research (Journalism) degree with training in the theories, concepts and research methodologies current relevant to in their chosen research topic. This training subject is designed with reasonable flexibility to help students direct their own learning and research experience, albeit under supervision. To acquire the knowledge, research skills and competencies needed to successfully complete the research master's thesis, students may be directed to attend specific classes in quantitative and qualitative social science research methods. These classes are normally conducted in other faculties. To complete this subject, students are required to submit the following: (1) a 5,000 word report on specific theories and research methodologies relevant to the research topic;s (2) an advanced a 7,000-word annotation of literature relevant to research topic; and (3) a revised detailed 5,000-word research proposal that shows a critical understanding of theoretical and conceptual frameworks, and research methodologies discovered throughout the session; and (4) an oral presentation of the research plan, research questions and anticipated outcomes. This will be presented to a panel comprising the supervisor, invited faculty members and postgraduate students.

JRNL910 Journalism and Society

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This is a core subject in the postgraduate journalism program. It aims to explain the multi-disciplinary facets of journalism and the cumulative body of work produced by journalists from the the period of 'old analogue' media to today's 'new digital' media environment. As journalism is underpinned by a strong theoretical tradition that draws from a range of other disciplines, this subject will examine relevant issues in news construction, generation and distribtion under different situations and contexts. Lectures will cover these topics: news gatekeeping, the socialisation and professionalisation of journalists, news framing and construction, media effects on audience, news agenda setting and other issues affecting how journalists operate in different communities. Workshops will use contemporary and historical case studies to contextualise these issues. Students will be expected to lead the discussion on at least one of the workshop topics.

JRNL911 News Writing Fundamentals

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: JOUR901

Subject Description: This foundation workshop-based subject will guide students in developing self-learning strategies and techniques in reporting news for the print media. Lectures and class exercises will focus on approaches to interviewing in various situations information gathering, researching, reporting, writing and story packaging. Topic areas include reporting hard news, writing human interest and profile stories. Students will in the final weeks of the semester apply news reporting approaches to writing features and packaging their stories for distribution in a converged media environment.

JRNL912 Legal and Ethical Issues

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: JOUR903
Subject Description: This subject examines the legal and ethical framework that 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 how to guard against defamation actions; libel laws; breach of privacy; confidentiality; protection of sources; standards of accuracy, fairness and subjectivity in journalism.

JRNL913 Introduction to Convergent Journalism

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject introduces students to current trends in convergent journalism. Students begin by exploring related theories and practices of digital media, then apply this knowledge in understanding how journalism is being changed by innovations in digital communication technologies. Lecture topics and tutorials will cover photojournalism, basic audio techniques suitable for the production of online audiovisual packages, building a blog and podcasting. Students will develop and maintain a blog, learn to podcast and develop a personal online publication using a combination of text and images.

JRNL914 Professional Writing (1) - Writing for Organisations

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject focuses on writing in an organisational context and explores the varied roles of written communication in public and private sector organisations. The subject examines the different communication strategies needed for internal and external communication to different publics. Topics and class exercises will cover: information writing such as FAQs, short form and long form reports and policy documents; promotional writing such as press releases and brochures, and instructional writing such as how-to guides and manuals.

JRNL915 Professional Writing (2) - Desktop Publishing and Design

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject builds on the skills learned in Professional Writing 1 and focuses on enhancing copy editing skills and principles of design for both print and online publications. Topics covered include: working with text and images, commissioning and rewriting copy, developing copy templates, sub editing, developing style manuals and publication design and InDesign and Photoshop.

JRNL916 Journalism Investigation and Research

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: JOUR933 On-Line and Research Journalism
Subject Description: This subject is designed to train students a range of research and journalism investigative methods. It includes the use of online databases, traditional library and archive work and other sources of public information. The use of survey material in journalism will be studied, particularly the presentation of this data in a news format. The organisation of news investigation teams, the techniques that they use, and what they produce will be analysed. Part of the subject will be devoted to news design and presentation on the World Wide Web.

JRNL917 Feature Writing for Journalists

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: JOUR902
Subject Description: This subject focuses on extending news reporting into feature writing, with consideration given to ethical and legal restraints. Topics covered include: feature story introductions; feature story structures; dialogue and characterisation; scene descriptions; feature length interviews; online and conventional research; and developing concepts. Different feature forms such as profiles, news features, historical features, reviews, essays, opinion columns, lifestyle features and specialist features from sport to travel will be covered.

JRNL918 Radio Journalism

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: JOUR931
Subject Description: This subject provides advanced skills in interviewing for radio, script writing, editing, producing and presenting radio news and current affairs reports. It will explore the preparation and production of short radio features, as well as the characteristics of the medium in contemporary broadcasting. The course has a strong practical component.

JRNL919 Television Journalism

Not on offer in 2012
Credit Points: 6
Pre-requisites: None

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

JRNL920 Journalism Project

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: JOUR945 Advanced Journalism Project
Subject Description: This subject is designed for students who choose to work on a supervised practical project to hone their media production skills. Project areas available include: online news design and presentation; print publication design production; electronic news gathering and production; a short film or radio piece in the documentary and current affairs mode. Alternatively, students may also choose to cover broader aspects of investigative journalism 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, online, radio or television journalistic genre.

JRNL921 Advanced Journalism Project

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Exclusions: JOUR991 Major Journalism Project
Subject Description: This subject is designed to give students the opportunity to combine their research skills, theoretical knowledge and competencies and apply them to a research mini-thesis (about 10,000 words), or a combination of a reflection production essay (about 5,000 words) and creative/practical project. The subject also enables students to explore cross-program or cross-faculty options. The project brief will be formulated in consultation with an academic member of staff who has agreed to act as supervisor. Alternatively, can choose to complete a six-week internship (30 working days or 210 hours), with a local or overseas media organisation. Students undertaking this subject may work within a single medium (print, broadcast or online) or a combination of media.

JRNL922 Major Journalism Project

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 24
Pre-requisites: None
Co-requisite: None
Exclusions: JOUR991
Subject Description: This subject enables students to undertake higher level research and/or practical work under the supervision of an academic member of staff. The project could include a thesis (20,000 words)or a major investigative journalism project to comprise submission of a series of investigative stories (10,000 words) accompanied by a reflective report (2000 words) of the issues that emerged from the investigation. Students are expected to work at a very high level. Such students would be highly motivated and capable of self-directed independent leanring, albeit under supervision.

JRNL923 Advanced Convergent Journalism

Not on offer in 2012
Credit Points: 6
Pre-requisites: JRNL913 Introduction to Convergent Journalism
Co-requisite: None
Subject Description: In this subject students will build on the skills acquired in JRNL913. The subject focuses on the development of audio-visual packages using commercial software programs, incorporating movie clips, editing and working with photographs, editing sound, working with text, and creating slideshows with sound. Students will be expected to produce their own multimedia packages on a range of topics. They will also play a role in the development and editing of the School of Journalism's on-line publication.

JRNL925 International Journalism

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: JOUR922 Multicultural and International Journalism
Subject Description: This subject defers to the New World Information Order debates, which began in the 1960s but dropped off the agenda in the early 1980s, as a framework for understanding the changing trends of international reporting. Digital communication technology and online journalism methodologies will provide the context for examining how global events are being reported and represented by mainstream and alternative media. Key issues explored are: How are foreign correspondents responding to demands by developing countries for a more sensitive, accurate and fair coverage? How do Western news agencies differ from Third World news agencies in their operations and professional culture? How can journalists fulfil a more public-service and development-oriented role in the coverage of global problems - in light of the Millenium Development Goals targeted for 2015? How can foreign correspondents consider the socio-economic interests and development needs of the countries they are reporting on without compromising the fundamentals of professional journalism? What attitudes and attributes define an effective foreign correspondent?

MUS 910 Music Analysis

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject explores contemporary compositional practice and theory, within a program of directed and independent reading and analysis. With an emphasis on understanding the student's own creative practice, the subject encourages the development of individual research strengths. Both textual and compositional research strategies are emphasised in presentation and writing.

THEA910 Theatre Analysis

Autumn	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject explores contemporary theatre and performance practice and theory within

a program of directed and independent reading and analysis. Through an emphasis on the place of theatre and performance in contemporary culture, this subject seeks to encourage students to develop individual research strengths and to understand how their individual creative practice might be positioned within the broader cultural landscape.

THEA911 Advanced Techniques in Theatre

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

THEA913 Major Presentation - Theatre

Annual Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisite: None
Subject Description: Students will undertake a practical presentation of their creative work in theatre and/or performance. All aspects of the presentation including content and duration will be determined with the approval of the supervisor. The creative work should reflect the student's ability to develop, sustain and execute original ideas in a cohesive and capable way. It must be accompanied by a 2,500-word exegesis, describing and analysing the processes undertaken. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

VISA903 Advanced Visual Arts Studio E

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with VISA303
Subject Description: Students may choose to specialise or combine visual arts media. Interdisciplinary work will be encouraged. A self-initiated major project will be developed in consultation with the lecturer and appropriate research undertaken. Students will document their work processes and research, present their work for review on a regular basis and take active part in class reviews, seminars and excursions. Emphasis will be placed on individual development, self-management and awareness of contemporary visual arts issues.

VISA904 Advanced Visual Arts Studio F

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with VISA304
Subject Description: Students may choose to specialise in or combine visual arts media. Interdisciplinary work will be encouraged. A self-initiated major project will be developed in consultation with the lecturer and appropriate research undertaken. Students will document their work processes and research, present their work for review on a regular basis and take active part in class reviews, seminars and excursions. Emphasis will be placed on individual development, self-management and awareness of contemporary visual arts issues.

VISA910 Visual Arts Theory

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject overviews theoretical perspectives, production processes and technical concerns of art in contemporary practice. It emphasises a critical analysis of sources, content and approaches relating to visual art works including the presentation and installation of artwork in relation to emerging debates in contemporary art enquiry. Each student will research, analyse and contextualise strategies relevant to the specific discipline and individual topic. 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
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisite: None
Subject Description: Students will present a substantial exhibition of work that reflects technical skill, knowledge and use of materials, and an ability to develop, sustain and execute original ideas in a cohesive and thematic way. As an example of content, painters should submit at least eight major pieces plus drawings and supporting material of exhibition standard. Equivalent amounts of work will be expected of students working in other areas of the visual arts. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

VISA921 Introduction to Indigenous Art and Visual Culture

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with VISA321
Subject Description: This subject surveys the concept of visual culture as a way of understanding contemporary art, with a particular focus on Indigenous arts in Australia. The importance of underlying traditions is investigated in

both Aboriginal and non-Aboriginal arts as well as the social conditions of production, presentation and collection. Both textual and visual research strategies are emphasised in presentation and writing.

VISA922 Representation and Space in Post Colonial World

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with VISA322
Subject Description: This subject surveys contemporary arts practices, with a focus on Australian and Asian arts in relation to postcolonial ideas. There is an emphasis on reviewing current exhibitions and the use of theoretical perspectives and critical practices appropriate to recent art debates, exhibitions and studio practices.

VISA923 Major Presentation - Visual Arts

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with VISA913
Subject Description: Students will present a substantial exhibition of work that reflects technical skill, knowledge and use of materials, and an ability to develop, sustain and execute original ideas in a cohesive and thematic way. As an example of content, painters should submit at least eight major pieces plus drawings and supporting material of exhibition standard. Equivalent amounts of work will be expected of students working in other areas of the visual arts. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

VISA960 Visual Arts Theory

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with VISA910
Subject Description: This subject explores contemporary arts practice and theory in both national and transnational contexts. With an emphasis on placing the self within a specific culture and history, the subject encourages the development of individual research strengths. It refers to historical art and craft movements through current theoretical frameworks. Both textual and visual research strategies are emphasised in presentation and writing.

VISA961 Studies in Process and Analysis - Visual Arts

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count with VISA911
Subject Description: This subject overviews production processes and technical concerns of art in contemporary practice. It emphasises an analysis of the processes, experimentation, materiality and content of visual work by individual artists, and the presentation and installation of artwork in relation to emerging technologies. Each student will document the research processes in the making of his or her creative work in a visual journal. Students will be expected to work at an advanced level and with a high degree of independence in their chosen studio discipline.

WRIT910 Analysis of Texts

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

WRIT911 Literary Composition

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

WRIT913 Major Presentation - Creative Writing

Annual Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisite: None
Subject Description: Students will present either a work of prose fiction (25-30,000 words); or a collection of poetry (48 pages); or a 60 minute theatre/film/television script. Students must submit a detailed outline of their proposed creative project for the Major Presentation to the supervisor/s by the fourth week of enrolment. A cross-disciplinary approach may be possible.

Faculty of Education

Courses Offered

Research Degrees

Doctor of Education *(see page 80)*
Doctor of Philosophy *(see page 82)*
Doctor of Philosophy (Integrated) *(see page 82)*
Master of Arts - Research *(see page 85)*
Master of Education - Research *(see page 86)*

Coursework Degrees

Graduate Certificate in Adult Education/ Higher Education/ Vocational Education and Training *(see page 87)*
Graduate Certificate in Computer Based Learning *(see page 88)*
Graduate Certificate in Early Years Education *(see page 88)*
Graduate Certificate in Educational Leadership *(see page 89)*
Graduate Certificate in Gifted Education *(see page 90)*
Graduate Certificate in Interdisciplinary Studies in Education *(see page 91)*
Graduate Certificate in Literacy Leadership *(see page 91)*
Graduate Certificate in Outdoor Education *(see page 92)*
Graduate Certificate in Physical and Health Education *(see page 93)*
Graduate Certificate in Special Education *(see page 93)*
Graduate Certificate in TESOL (Teaching English to Speakers of Other Languages) *(see page 94)*
Graduate Diploma in Adult Education / Higher Education / Vocational Education and Training *(see page 95)*
Graduate Diploma in Education Primary *(see page 96)*
Graduate Diploma in Education Conversion Primary *(see page 97)*
Graduate Diploma in Education Secondary *(see page 99)*
Graduate Diploma in Education Conversion Secondary *(see page 100)*
Graduate Diploma in TESOL *(see page 102)*
Master of Arts (Information Technology in Education and Training) *(see page 103)*
Master of Education *(see page 103)*
Master of Physical and Health Education *(see page 108)*

Other Information

For tuition fee information please see the following:

Domestic - www.uow.edu.au/student/finances/UOW008171
International - www.uow.edu.au/student/finances/UOW008306

Doctor of Education

Testamur Title:	Doctor of Education
Abbreviation:	EdD
Home Faculty:	Education
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	On campus (Flexible coursework and individual supervised research)
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.

Entry Requirements

Entry to this degree is available to candidates who:

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

Advanced Standing

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

Course Requirements

The program for the degree will require successful completion of:

1. 48 credit points of subjects including:
   a) at least 24 credit points selected from subjects in the Faculty's graduate schedule, which will provide specific preparation for the thesis component of the degree; and
   b) 24 credit points of research subjects to provide research preparation for the thesis component of the degree including:
      EDGZ930 Advanced Research methods in Education
      EDGZ931 Research Proposal
      EDGZ932 Advanced Research Seminar
2. 96 credit points as a supervised thesis (THES912/924), to be examined externally. This thesis will contribute to two thirds of the total assessment for this award.

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

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

Course Program

Subjects		**Credit Points**
THES912	Thesis-Part-time, or	96 in total
THES924	Thesis-Full-time	96 in total
Plus subjects chosen from the lists below, as detailed above, totalling 48 cp		
Adult Education/Vocational Education & Training/Higher Education		
EDGH951	Global Issues and Trends in Adult Education/Higher Education and VET	8
EDGH952	Learning about Learning in Adult Education/Higher Education and VET	8
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

Early Years Education		
EDGY901	Pedagogy, Practice and Play in Early Years	6
EDGY902	Early Years Curriculum Studies	6
EDGY903	Socio-Cultural Perspectives in the Early Years	6
EDGY904	Management, Supervision and Leadership for Early Childhood Professionals	6
EDGY905	Health Lifestyles for Preschool Children: Physical Activity	6
Educational Leadership		
EDGL901	Foundations of Educational Leadership	6
EDGL903	Introduction to Educational Management	6
EDGL909	Leadership of Effective Change	6
EDGL919	Mentoring Beginning Teachers	6
EDGL920	Leading, Developing & Managing People	6
EDGL922	Law for Educational Leaders	6
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 Education		
EDGR921	Expanding Literacy Repertoires	6
EDGR922	Literature for Children and Young People	6
EDGR923	Knowing about Language in Context	6
EDGR924	Learning Environments for Literacy Development	6
EDGR925	Literacy Assessment: Research, Policy and Practice	6
EDGR926	Current Issues in English Curriculum and Policy	6
Physical & Health Education		
EDGP924	Young People and Health	6
EDGP930	Theoretical and Practical Bases of Coach Education	6
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
Special Education		
EDGX901	Psychology for Educators	6
EDGS912	Contemporary Perspectives in the Education of Children with Diverse Needs	6
EDGS914	Assessment and Instruction of Individuals with High Support Needs	6
EDGS916	Models of Behaviour Management	6
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS920	Language and Communication Difficulties: Theory and Practice	6
EDGS922	Teaching Gifted Children	6
EDGS924	Giftedness in Special Populations	6
Teaching English to Speakers of Other Languages (TESOL)		
EDGT917	English Language: Learners Problems	6
EDGT931	Teaching Speaking and Listening	6
EDGT932	Second Language Literacy	6
EDGT934	Teaching Pronunciation and Prosody	6
EDGT935	Teaching English in International Contexts	6
EDGT936	Management, Policy and Curriculum in TESOL	6
EDGT940	Materials and Technology in Second Language Teaching	6
EDGT976	Text and Context	6
EDGT983	Assessing and Evaluating in TESOL Environments	6
EDGT984	Theories of Second Language Learning	6
EDGT985	English in Specific Contexts	6
Interdisciplinary Studies in Education		
EDGX901	Psychology for Educators	6
EDGX902	Educational Sociology: Culture, Society and Education	6
EDGX917	International and Intercultural Perspectives in Education	6
Research Methodology & Project Subjects (as required)		

EDGZ903	Minor Project in Education	8
EDGZ906	Minor Project in Education	6
EDGZ912	Special Research Topic	8
EDGZ930	Advanced Research Methods in Education*	8
EDGZ931	Research Proposal*	8
EDGZ932	Advanced Research Seminar*	8
EDGZ965	Vgotskian Studies in Education	4
* Compulsory subjects in EdD		

Other Information

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

Doctor of Philosophy

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

Overview

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

Entry Requirements

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

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

Course Requirements

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

Other Information

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

Doctor of Philosophy (Integrated)

Testamur Title:	Doctor of Philosophy (Integrated)
Abbreviation:	PhD (Int)
Home Faculty:	Faculty of Education
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	On campus (course work and individual supervised research)
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	210
CRICOS Code:	072795G

Overview

The PhD (Integrated) is a four-year research degree which integrates a traditional three-year PhD thesis with one-year of coursework, comprising generic research training and discipline-specific content into a single degree.

The coursework provides candidates with the opportunity to develop their research skills while allowing additional time to develop a detailed research topic, therefore providing greater certainty and better completion outcomes in the

thesis.

The coursework also allows candidates to take individual subjects in a specific discipline area, thereby providing a deeper level of content from which to draw potential research themes. International students intending to become university researchers and teachers in their home country will benefit from exposure to Australian teaching methods through the inclusion of these 'taught' coursework subjects.

The PhD Integrated is therefore ideal for applicants who aspire to graduate with a PhD and who:

- want a flexible program which includes a selection of 'taught' subjects included in a specific discipline area of their interest;
- need further time and to develop a detailed research proposal; or
- need to develop their research training skills in order to demonstrate their capacity to undertake the major research thesis.

Entry Requirements

Applicants should have a minimum of four years of study at degree level, either a four-year Bachelor degree, or a Bachelor degree plus Masters by Coursework, with a minimum Credit average (65% or GPA 3.0 out of 4.0), or equivalent.

Course Structure

Students complete 48 credit points of coursework (including 24 credit points of research training subjects) and a substantial research component.

The 24 credit points of research training subjects include:

Subjects		**Credit Points**
EDGZ930	Advanced Research Methods in Education	8
EDGZ931	Research proposal	8
EDGZ932	Advanced Research Seminar	8
Students who have not had prior introductory research methods training will also need to enrol in:		
EDGZ921	Introduction to Research and Inquiry	6

In addition, candidates will select coursework subjects taken from the Faculty's postgraduate schedule below, as approved by the HPS.

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
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
Early Years Education		
EDGY901	Pedagogy, Practice and Play in Early Years	6
EDGY902	Early Years Curriculum Studies	6
EDGY903	Socio-Cultural Perspectives in the Early Years	6
EDGY904	Management, Supervision and Leadership for Early Childhood Professionals	6
EDGY905	Health Lifestyles for Preschool Children: Physical Activity	6
Educational Leadership		
EDGL901	Foundations of Educational Leadership	6
EDGL903	Introduction to Educational Management	6
EDGL909	Leadership of Effective Change	6
EDGL919	Mentoring Beginning Teachers	6
EDGL920	Leading, Developing & Managing People	6
EDGL922	Law for Educational Leaders	6
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 Education		

EDGR921	Expanding Literacy Repertoires	6
EDGR922	Literature for Children and Young People	6
EDGR923	Knowing about Language in Context	6
EDGR924	Learning Environments for Literacy Development	6
EDGR925	Literacy Assessment: Research, Policy and Practice	6
EDGR926	Current Issues in English Curriculum and Policy	6
Physical & Health Education		
EDGP924	Young People and Health	6
EDGP930	Theoretical and Practical Bases of Coach Education	6
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
Special Education		
EDGX901	Psychology for Educators	6
EDGS912	Contemporary Perspectives in the Education of Children with Diverse Needs	6
EDGS914	Assessment and Instruction of Individuals with High Support Needs	6
EDGS916	Models of Behaviour Management	6
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS920	Language and Communication Difficulties: Theory and Practice	6
EDGS922	Teaching Gifted Children	6
EDGS924	Giftedness in Special Populations	6
Teaching English to Speakers of Other Languages (TESOL)		
EDGT917	English Language: Learners Problems	6
EDGT931	Teaching Speaking and Listening	6
EDGT932	Second Language Literacy	6
EDGT934	Teaching Pronunciation and Prosody	6
EDGT935	Teaching English in International Contexts	6
EDGT936	Management, Policy and Curriculum in TESOL	6
EDGT940	Materials and Technology in Second Language Teaching	6
EDGT976	Text and Context	6
EDGT983	Assessing and Evaluating in TESOL Environments	6
EDGT984	Theories of Second Language Learning	6
EDGT985	English in Specific Contexts	6
Interdisciplinary Studies in Education		
EDGX901	Psychology for Educators	6
EDGX902	Educational Sociology: Culture, Society and Education	6
EDGX917	International and Intercultural Perspectives in Education	6
Research Methodology & Project Subjects (as required)		
EDGZ903	Minor Project in Education	8
EDGZ906	Minor Project in Education	6
EDGZ912	Special Research Topic	8
EDGZ930	Advanced Research Methods in Education*	8
EDGZ931	Research Proposal*	8
EDGZ932	Advanced Research Seminar*	8
EDGZ965	Vgotskian Studies in Education	4
* Compulsory subjects in PhD (Integrated)		

A minimum of 65% needs to be attained in the first year for each coursework subject to be admitted into the three-year research component.

Advanced standing of up to 24 credit points (for discipline subjects) may be given for previous appropriate Masters study.

Information on the course structure can be found at: http://www.uow.edu.au/research/rsc/prospective/UOW086877.html

Supporting Statement

Applicants for the PhD Integrated must provide either a Supporting Statement or a detailed research proposal outlining the area of intended future research and reason for wishing to enrol in a research program.

Applicants are encouraged to contact the Head of Postgraduate Studies (HPS) in their discipline area, to obtain advice relating to potential research topics and supervisors. The HPS will also provide advice on the style and content needed for their research proposal/statement.

HPS contact details can be found at: http://www.uow.edu.au/content/groups/public/@web/@raid/documents/doc/

uow022165.pdf

Other Information

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

Master of Arts - Research

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

Overview

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

Entry Requirements

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

Course Requirements

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

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

- EDGZ930 Advanced Research Methods in Education
- EDGZ931 Research proposal
- EDGZ932 Advanced Research Seminar

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

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

Course Program

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

Other Information

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

Master of Education - Research

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

Overview

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

Entry Requirements

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

Course Requirements

The degree program comprises:

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

- EDGZ930 Advanced Research Methods in Education
- EDGZ931 Research Proposal
- EDGZ932 Advanced Research Seminar

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

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

Course Program

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

Other Information

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

Graduate Certificate in Adult Education/ Higher Education/ Vocational Education and Training

Testamur Title:	Graduate Certificate in Adult Education Graduate Certificate in Higher Education Graduate Certificate in Vocational Education and Training
Abbreviation:	GCertAdEd – Adult Education GCertHighEd – Higher Education GCertVET - Vocational Education and Training
Home Faculty:	Education
Duration:	1 session full time or part time equivalent
Total Credit Points:	24
Delivery Mode:	On campus (face to face with online support) Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1151 – Adult Education 696 – Higher Education 1152 – Vocational Education and Training
CRICOS Code:	053881A – Adult Education 053882M – Higher Education 053883K - Vocational Education and Training

Overview

This program seeks to explore adult education in a broad range of cross-sector settings 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.

The Graduate Certificate is offered in the three streams of Adult Education, Higher Education and VET and assessment tasks are focussed for the relevant group of learners.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three year degree or equivalent). Consideration will be given to candidates who can demonstrate a combination of training qualifications, e.g. Certificate IV and professional experience that are equivalent to a three year degree, but candidates should check whether this pathway meets the formal teaching accreditation requirements of their employers.

Course Requirements

Subjects are chosen from the list below in consultation with the course coordinator, to total 24 credit points.

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
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
EDGE900	Introduction to Technology in Education	8

*EDGH951 is a compulsory subject in this program

Other Information

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

Graduate Certificate in Computer Based Learning

Testamur Title:	Graduate Certificate in Computer Based Learning
Abbreviation:	GCertCompBasedLearn
Home Faculty:	Education
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus (face to face with online support) Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1110
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).

Course Requirements

Students are required to complete subjects totalling 24 credit points from the Information Technology in Education and Training program listed below. Full time students are advised to choose subjects in consultation with the course coordinator.

Course Program

Subjects		Credit Points
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

*EDGE900 is a compulsory subject in the Graduate Certificate in Computer Based Learning.

Other Information

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

Graduate Certificate in Early Years Education

Testamur Title:	Graduate Certificate in Early Years Education
Abbreviation:	GCertEarlyYearsEd
Home Faculty:	Education
Duration:	Two sessions part time
Total Credit Points:	24
Delivery Mode:	Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1180
CRICOS Code:	N/A

Overview

The Graduate Certificate in Early Years Education is an exciting new program which specialises in working with children 0-5 years. It is a specialist postgraduate early childhood education program of the highest quality studied part time over one academic year, ensuring that graduates are well equipped for the increasingly expanding and rewarding role of early childhood educator. This Graduate Certificate is part of a strategy by the University and the Faculty of Education to prioritise education in the Early Years. The Certificate supports the capacity of relevant

professionals to meet workforce requirements in line with Australian Government directions in early childhood education and care reform.

The Graduate Certificate in Early Years Education will provide:

a) a fourth year of study in Early Childhood Education (in terms of remuneration) for students who have completed a three year early childhood qualification (supported by the Independent Education Union of Australia); and

b) a postgraduate program of study for students interested in pursuing higher degree study in this area.

Current employment experiences will be recognised for professional experience.

Entry Requirements

Minimum 3 year degree in Early Childhood Education [eg. Bachelor of Teaching (Early Childhood/Learning)]

or

Equivalent study of no less than 3 years at an approved Higher Education Institution (eg. College of Advanced Education) in Early Childhood Education.

or

Minimum 3 year recognised teaching qualification or equivalent eg. Bachelor of Teaching or Bachelor of Education

or

3 year degree plus Grad Diploma in Education

Special Note: Entry may be considered for students with a combination of tertiary studies and professional experience that is deemed equivalent to a three year teaching degree.

Course Requirements

The Graduate Certificate in Early Years Education consists of 24 credit points of study, completed over a minimum of one year of part-time study. The subjects are listed below.

Course Program

Subject Code	Subject Name	Credit Points
EDGY901	Pedagogy Practice and Play in the Early Years	6
EDGY902	Early Years Curriculum Studies	6
EDGY903	Socio-cultural Perspectives in the Early Years	6
EDGY904	Management, Supervision and Leadership for Early Childhood Professionals	6
EDGY905	Healthy Lifestyles for Preschool Children: Physical Activity	6

Contact Information

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

Graduate Certificate in Educational Leadership

Testamur Title:	Graduate Certificate in Educational Leadership
Abbreviation:	GCertEdLead
Home Faculty:	Education
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On campus
	Distance
Starting Sessions:	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1127
CRICOS Code:	029915G

Overview

The Graduate Certificate in Educational Leadership is designed to provide an opportunity for mid-career professionals with a background in schools, tertiary education and adult education and training to undertake an intensive professional development program to address the changing nature of their work.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Course Requirements

Students are required to complete 24 credit points from the Educational Leadership program as listed below. Full time students wishing to enrol in Spring session must arrange a study plan with the course coordinator.

Course Program

Subjects		Credit Points
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
EDGL919	Mentoring Beginning Teachers	6
EDGL920	Leading, Developing and Managing People	6
EDGL922	Law for Educational Leaders	6

*EDGL901 and EDGL903 are compulsory subjects in the Graduate Certificate in Educational Leadership.

Contact Information

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

Graduate Certificate in Gifted Education

Testamur Title:	Graduate Certificate in Gifted Education
Abbreviation:	GCertGiftedEd
Home Faculty:	Education
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On campus (face to face with online support) Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1109
CRICOS Code:	036455E

Overview

The Graduate Certificate in Gifted Education provides an ideal entry point for students who wish to specialise in the field of Gifted Education. It is designed to provide an increased level of expertise in the area of gifted education.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Course Requirements

Students complete 24 credit points chosen from the subjects listed below. Other subjects from the Special Education program may be included in the 24 credit point degree with approval from the course coordinator.

Course Program

Subjects		Credit Points
EDGS910	Learning Theories and Exceptionality	6
EDGS912	Investigating Issues in Special Education/Inclusive Education	6
EDGS922	Teaching Gifted Students	6
EDGS924	Giftedness in Special Populations	6

Other Information

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

Graduate Certificate in Interdisciplinary Studies in Education

Testamur Title:	Graduate Certificate in Interdisciplinary Studies in Education
Abbreviation:	GCertInterDisStEd
Home Faculty:	Education
Duration:	1 session full-time or part time equivalent
Total Credit Points:	24
Delivery Mode:	On campus (face to face with online support)
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1181
CRICOS Code:	068543G

Overview

This program provides the opportunity for students to combine studies in a number of the specialist postgraduate areas of the Faculty, and also to explore issues in the foundation areas of Educational Psychology and Sociology.

The Graduate Certificate in Interdisciplinary Studies can also be used as a pathway for entry into the MEd for students who do not have the four year teaching degree required for Masters entry.

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

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three year degree or equivalent).

Course Requirements

Students must complete a total of 24 credit points chosen from the list below. Additional subjects may be drawn from other specialisations within the Faculty's postgraduate schedule with approval from the Director of Graduate Teaching.

Course Program

Subjects		Credit Points
EDGX901	Psychology for Educators	6
EDGX902	Educational Sociology: Culture, Society and Education	6
EDGX917	International and Intercultural Perspectives in Education (This subject runs online in the distance intakes only)	6
EDGE900	Introduction to Technology in Education	8
EDGT984	Theories of Second Language Learning	6
EDGL901	Foundations of Educational Leadership	6
EDGH951	Global Issues and Trends in Adult Education/Higher Education/VET	8
EDGR922	Literature for Children and Young People	6

Other Information

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

Graduate Certificate in Literacy Leadership

Testamur Title:	Graduate Certificate in Literacy Leadership
Abbreviation:	GCertLitLead
Home Faculty:	Education
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1106

Overview

The Graduate Certificate in Literacy Leadership is designed for teachers wishing to lead change in literacy practice at school and district levels. It will extend students' understandings in key aspects of English including working with assessment data from a range of sources. It also presents an opportunity to focus on leadership skills.

All subjects will be offered in a combination of face-to-face and online delivery. However it is possible to study the course entirely online.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (ie a three year degree or equivalent). However, it is assumed that students have teaching qualifications in general language and literacy pedagogy.

Course Requirements

Students must complete 24 credit points from the Literacy subjects listed below. Other subjects can be selected from the Faculty of Education's graduate schedule in consultation with the Literacy course coordinator.

Course Program

Subjects		Credit Points
EDGL911	Leadership in Curriculum*	6
EDGR921	Expanding Literacy Repertoire*	6
EDGR922	Literature for Children and Young People	6
EDGR923	Knowing about Language in Context	6
EDGR924	Learning Environments for Literacy Development	6
EDGR925	Literacy Assessment: Research, Policy and Practice*	6
EDGR926	Current Issues in English	6

*EDGL911, EDGR921 and EDGR925 are compulsory subjects for this program.

Other Information

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

Graduate Certificate in Outdoor Education

Testamur Title:	Graduate Certificate in Outdoor Education
Abbreviation:	GCertOutdoorEd
Home Faculty:	Education
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	This program is not available in 2012
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.

Subjects are delivered flexibly, i.e. require attendance at weekend activities on or near the Wollongong campus.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Course Requirements

Students must complete four compulsory subjects totalling 24 credit points from the list below.

Course Program

Subjects		Credit Points
EDGP910	Introduction to Outdoor Education	6
EDGP912	Facilitation Techniques in Outdoor Education	6
EDGP935	Leadership and Management in Physical Education, Sport and Recreation	6
EDGP990	Practicum in a Learning Environment	6

Other Information

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

Graduate Certificate in Physical and Health Education

Testamur Title:	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 is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Course Program

Subjects		Credit Points
EDGP901	Adolescent Health Studies I	6
EDGP902	Adolescent Health Studies II	6
EDGP903	Promoting Physical Activity I	6
EDGP904	Promoting Physical Activity II	6

Other Information

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

Graduate Certificate in Special Education

Testamur Title:	Graduate Certificate in Special Education
Abbreviation:	GCertSpecialEd
Home Faculty:	Education
Duration:	1 session full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus (face to face with online support) Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1108
CRICOS Code:	029683G

Overview

The Graduate Certificate in Special Education provides an ideal entry point for students who wish to specialise in the field of Special Education. The program is designed to provide increased level of expertise in the area of Special Education.

Entry Requirements

Entry is available to candidates who satisfy the University's entry requirements for Graduate Certificates (i.e. a three-year degree or equivalent).

Course Requirements

Students must complete 24 credit points chosen from the Special Education subjects listed below. Students wishing to study full time should contact the program coordinator to discuss a study plan.

Course Program

Subjects		Credit Points
EDGS910	Learning Theories and Exceptionality	6
EDGS912	Investigating Issues in Special Education/Inclusive Education	6
EDGS914	Assessment and Instruction of Individuals with High Support Needs	6
EDGS916	Models of Behaviour Management	6
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS920	Language and Communication Difficulties: Theory and Practice	6

Other Information

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

Graduate Certificate in TESOL (Teaching English to Speakers of Other Languages)

Testamur Title:	Graduate Certificate in TESOL
Abbreviation:	GCertTESOL
Home Faculty:	Education
Duration:	1 session full-time or part time equivalent
Total Credit Points:	24
Delivery Mode:	On Campus Distance
Starting Session(s):	Autumn (on campus and distance) Spring and EDU November (distance only)
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 supervised TESOL professional experience required by employer bodies. Students can choose from a range of subjects which provide a foundation in second language teaching and learning. Although the course places its emphasis on practice all subjects are underpinned by the latest research and theory in the field. Students learn how to develop teaching programs and lesson plans, how to assess ESL learners' 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.

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) including a teaching qualification or appropriate equivalent professional experience.

Course Requirements

Students must complete 24 credit points from the TESOL list below.

Course Program

Subjects		Credit Points
EDGT917	English Language: Learners' Problems	6
EDGT930	Methodology in Second Language Teaching*	6
EDGT931	Teaching Speaking and Listening	6
EDGT932	Second Language Literacy	6
EDGT934	Teaching Pronunciation and Prosody	6
EDGT935	Teaching English in International Contexts	6
EDGT937	Field Experience Project in TESOL*	6
EDGT938	Professional Experience in TESOL*	6
EDGT940	Materials and Technology in Second Language Teaching	6
EDGX917	International and Intercultural Perspectives in Education	6
EDGT983	Assessing and Evaluating in TESOL Environments	6
EDGT984	Theories of Second Language Learning	6
EDGT985	English in Specific Contexts	6
EDGT990	Engaging Contexts of ESL Education	6

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

Other Information

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

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

Testamur Title:	Graduate Diploma in Adult Education Graduate Diploma in Higher Education Graduate Diploma in Vocational Education and Training
Abbreviation:	GDipAdultEd GDipHigherEd GDipVET
Home Faculty:	Education
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (face to face with online support) Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	677 - GDipAdultEd 678 - GDipHigherEd 679 - GDipVET
CRICOS Code:	N/A

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 GradDipVET benefits those staff who are considering promotion or employment within the TAFE sector.

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 requirement for Graduate Diplomas, (successful completion of an Australian Bachelor degree or recognised equivalent qualification). Consideration will be given to candidates who can demonstrate a combination of training qualifications, e.g. Certificate IV and professional experience that are equivalent to a three year degree.

Course Requirements

Students must complete 48 credit points from the Adult Education/Higher Education/VET program listed below. Other subjects from the Faculty's graduate program may be selected in consultation with the program coordinator.

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
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
EDGE900	Introduction to Technology in Education	8

*EDGH951 is a compulsory subject in the Graduate Diploma in Adult Education/Higher Education/VET

Other Information

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

Graduate Diploma in Education Primary

Testamur Title:	Graduate Diploma in Education Primary
Abbreviation:	GDipEd
Home Faculty:	Education
Duration:	1 calendar year
Total Credit Points:	72
Delivery Mode:	On campus
Starting Session(s):	GDE Primary Autumn (January)
Location:	Wollongong, Shoalhaven, Bega and Batemans Bay
UOW Course Code:	685
CRICOS Code:	063258G

Overview

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

The course is a 72 credit point program accelerated into one extended calendar year, commencing mid January and concluding late November. Part time study is only available at satellite campuses.

The GDipEd program involves lectures, seminars, tutorials, individual assignments, group exercises and 55 days (eleven weeks) of full-time professional experience in schools.

Literacy Requirements

To satisfy the outcomes of all professional experiences students will require highly developed written and spoken English literacy skills. Students may be required to complete private tuition or courses in English literacy to develop their spoken and written English skills to a level of competency that will enable them to meet professional experience outcomes. These outcomes are required to satisfactorily pass this course.

Entry Requirements

Entry is available to graduates of this or another approved university who seek teacher qualifications. Candidates must have also met the NSW Institute of Teachers' (NSWIT) subject content requirements for Primary school teaching in their undergraduate degree.

Entry to the course is based on academic merit and suitability of the first degree to teaching requirements as

determined by NSWIT. Applicants must apply to the Faculty of Education for a Formal Assessment of their undergraduate degree prior to submitting a Postgraduate Coursework application for entry to the course. A statement of interests and experience in Education will also be requested from applicants and will be considered as part of the selection process.

See the Graduate Diploma in Education link on the Faculty of Education Teacher Education Courses webpage for more information about the application process. http://www.uow.edu.au/educ/courses/graddiped)

Prohibited Employment Legislation

Under the Child Protection (Prohibited Employment) Act 1998, all students enrolled in this degree are required to complete a Prohibited Employment Declaration before undertaking any professional experience that involves children or young people.

Course Requirements

Students must satisfactorily complete all requirements within 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.

These requirements in the Course Program (see below), are listed and include 55 days of full-time professional experience.

Course Program

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

*This instance is only available to international mid year enrolments at Wollongong campus, and part time students (3 semester) commencing in Autumn 2012 at Bega, Batemans Bay and Shoalhaven.

Other Information

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

Graduate Diploma in Education Conversion Primary

Testamur Title:	Graduate Diploma in Education Conversion Primary
Abbreviation:	GDipEdConvPrim
Home Faculty:	Education
Duration:	1 calendar year
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face with online support)
Starting Session(s):	GDE Primary Autumn (January)
Location:	Wollongong, Shoalhaven, Bega and Batemans Bay
UOW Course Code:	688
CRICOS Code:	N/A

Overview

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

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

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

The GDipEd program involves lectures, seminars, tutorials, individual assignments, group exercises and a minimum of 25 days (5 weeks) full-time professional experience in Primary schools.

Literacy Requirements

To satisfy the outcomes of all professional experiences students will require highly developed written and spoken English literacy skills. Students may be required to complete private tuition or courses in English literacy to develop their spoken and written English skills to a level of competency that will enable them to meet professional experience outcomes. These outcomes are required to satisfactorily pass this course.

Entry Requirements

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

Entry to the course is based on academic merit and suitability of the first degree to teaching requirements as determined by NSWIT. Applicants must apply to the Faculty of Education for a Formal Assessment of their undergraduate degree prior to submitting a Postgraduate Coursework application for entry to the course.

See the Graduate Diploma in Education link on the Faculty of Education Teacher Education Courses webpage for more information about the application process.(http://www.uow.edu.au/educ/courses/graddiped)

Prohibited Employment Legislation

Under the Child Protection (Prohibited Employment) Act 1998, all students enrolled in this degree are required to complete a Prohibited Employment Declaration before undertaking any professional experience that involves children or young people, if they have not been appropriately screened for employment purposes.

Course Requirements

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

Course Program

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

Other Information

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

Graduate Diploma in Education Secondary

Testamur Title:	Graduate Diploma in Education Secondary
Abbreviation:	GDipEd
Home Faculty:	Education
Duration:	1 year
Total Credit Points:	54
Delivery Mode:	On campus
Starting Session(s):	GDE Autumn (February)
Location:	Wollongong, Shoalhaven, Batemans Bay, Bega
UOW Course Code:	686
CRICOS Code:	063259G

Overview

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

The course is for one year full-time at Wollongong campus, over an extended academic year of 36 teaching weeks from mid February to late November. It is not possible to commence the course in the middle of the year and part-time study is only available at satellite campuses. The Methods areas offered each year will depend on the number of applications received in each area.

The GDipEd program involves lectures, seminars, tutorials, individual assignments, group exercises and 55 days (eleven weeks) of full-time professional experience in schools.

Literacy Requirements

To satisfy the outcomes of all professional experiences students will require highly developed written and spoken English literacy skills. Students may be required to complete private tuition or courses in English literacy to develop their spoken and written English skills to a level of competency that will enable them to meet professional experience outcomes. These outcomes are required to satisfactorily pass this course.

Entry Requirements

Entry is available to graduates of this or another approved university who seek teacher qualifications. Candidates must have also met the NSW Institute of Teachers' (NSWIT) subject content requirements for Secondary teaching in their undergraduate degree.

Entry to the course is based on academic merit and suitability of the first degree to teaching requirements as determined by NSWIT. Applicants must apply to the Faculty of Education for a Formal Assessment of their undergraduate degree prior to submitting a Postgraduate Coursework application for entry to the course. A statement of interests and experience in Education will be requested from applicants and will be considered as part of the selection process.

See the Graduate Diploma in Education link on the Faculty of Education Teacher Education Courses webpage for more information about the application process http://www.uow.edu.au/educ/courses/graddiped.

Prohibited Employment Legislation

Under the Child Protection (Prohibited Employment) Act 1998, all students enrolled in this degree are required to complete a Prohibited Employment Declaration before undertaking any professional experience that involves children or young people.

Course Requirements

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

Students are required to successfully complete:

1) all core subjects, including 55 days professional experience; and

2) 2 Methods subjects, in a combination approved by the Faculty of Education at the time of enrolment.

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

Course Program

Subjects		Session	Credit Points
For those students pursuing secondary school methods: 54cp Program, as below.			
EDGD800	Professional Experience	GDE Annual GDE Spring/ Autumn*	0
EDGD801	Learning and Behaviour	GDE Autumn	6
EDGD802	Educational Sociology	GDE Spring	6
EDGD804	Personal Development, Health and Physical Education (not PHE methods students)	GDE Spring	6
EDGD805	Professional Skills for PDHPE(PHE students only)	GDE Spring	6
EDGD806	Aboriginal Education	GDE Autumn	6
EDGD807	Learners with Special Needs	GDE Spring	6
EDGD808	Quality Teaching	GDE Autumn	6
EDGD809	Literacy Across the Curriculum: Secondary	GDE Autumn	6
Plus two Secondary Methods in an approved combination, chosen from the following list (6cp each)			
EDGD820	Science Method 1	GDE Annual	6
EDGD821	Science Method 2	GDE Annual	6
EDGD822	Mathematics Method 1	GDE Annual	6
EDGD823	Mathematics Method 2	GDE Annual	6
EDGD824	English Method	GDE Annual	6
EDGD825	Modern History Method	GDE Annual	6
EDGD826	Geography Method	GDE Annual	6
EDGD827	Business Studies Method	GDE Annual	6
EDGD828	Legal Studies Method	GDE Annual	6
EDGD829	Music Method 1	GDE Annual	6
EDGD830	Music Method 2	GDE Annual	6
EDGD831	Visual Arts Method 1	GDE Annual	6
EDGD832	Visual Arts Method 2	GDE Annual	6
EDGD833	Drama Method	GDE Annual	6
EDGD834	French Method	GDE Annual	6
EDGD835	Computer Studies Method 1	GDE Annual	6
EDGD836	Computer Studies Method 2	GDE Annual	6
EDGD837	Personal Development, Health and Physical Education Method 1	GDE Annual	6
EDGD838	Personal Development, Health and Physical Education Method 2	GDE Annual	6
EDGD840	Society and Culture Method	GDE Annual	6

*This instance is only available to part-time students (3 semester) commencing in Autumn 2012 at Bega, Batemans Bay and Shoalhaven.

Other Information

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

Graduate Diploma in Education Conversion Secondary

Testamur Title:	Graduate Diploma in Education Conversion Secondary
Abbreviation:	GDipEdConv(Sec)
Home Faculty:	Education
Duration:	1 session
Total Credit Points:	18
Delivery Mode:	On campus
Starting Session(s):	GDE Autumn
Location:	Wollongong, Bega, Batemans Bay and Shoalhaven
UOW Course Code:	689
CRICOS Code:	063259G

Overview

The Graduate Diploma in Education Conversion Secondary provides a conversion course for students with an existing qualification in Primary teaching who wish to re-train as Secondary teachers. The course is for one year full-time, over an extended academic year of 36 teaching weeks from mid February to late November.

The GDipEd Conversion (Secondary) program involves lectures, seminars, tutorials, individual assignments, group

exercises and a minimum of 25 days (5 weeks) of full-time professional experience in Secondary schools.

Literacy Requirements

To satisfy the outcomes of all professional experiences students will require highly developed written and spoken English literacy skills. Students may be required to complete private tuition or courses in English literacy to develop their spoken and written English skills to a level of competency that will enable them to meet professional experience outcomes. These outcomes are required to satisfactorily pass this course.

Entry Requirements

Entry is available to graduates of this or another approved university who have recognised existing 3 or 4 year qualifications in Primary school teaching. Candidates must have met the NSW Institute of Teachers' (NSWIT) subject content requirements for the appropriate Secondary teaching area in their undergraduate degree.

Entry to the course is based on academic merit and suitability of the first degree to teaching requirements in the appropriate Methods area. Applicants must apply to the Faculty of Education for a Formal Assessment of their undergraduate degree prior to submitting a Postgraduate Coursework application for entry to the course.

See the Graduate Diploma in Education link on the Faculty of Education Teacher Education Courses webpage for more information about the application process. http://www.uow.edu.au/educ/courses/graddiped

Prohibited Employment Legislation

Under the Child Protection (Prohibited Employment) Act 1998, all students enrolled in this degree are required to complete a Prohibited Employment Declaration before undertaking any professional experience that involves children or young people, if they have not been appropriately screened for employment purposes.

Course Requirements

Students must satisfactorily complete all requirements within their program of study before the Graduate Diploma in Education Conversion (Secondary) will be awarded. More specific details of assessment will be given in individual subject outlines.

Students are required to successfully complete Methods subjects and Professional Experience relevant to their particular area of study, plus any other requirements as set out by the NSWIT.

The Method areas which are available may differ from year to year. Secondary Methods currently offered are: Commerce/Business Studies, Legal Studies, Geography, Modern History, English, Computing Studies, Drama, French, Mathematics, Science, Art, Music, Physical and Health Education, Society and Culture.

Students are advised to check with the Faculty regarding the availability of specific Methods subjects.

Course Program

Subjects		Session	Credit Points
For those students pursuing secondary school methods: 18cp Program, as below.			
EDGC801	Professional Experience	GDE Annual	6
Plus a maximum of two Secondary Methods in an approved combination, chosen from the following list (6cp each)			
EDGD820	Science Method 1	GDE Annual	6
EDGD821	Science Method 2	GDE Annual	6
EDGD822	Mathematics Method 1	GDE Annual	6
EDGD823	Mathematics Method 2	GDE Annual	6
EDGD824	English Method	GDE Annual	6
EDGD825	Modern History Method	GDE Annual	6
EDGD826	Geography Method	GDE Annual	6
EDGD827	Business Studies Method	GDE Annual	6
EDGD828	Legal Studies Method	GDE Annual	6
EDGD829	Music Method 1	GDE Annual	6
EDGD830	Music Method 2	GDE Annual	6
EDGD831	Visual Arts Method 1	GDE Annual	6
EDGD832	Visual Arts Method 2	GDE Annual	6
EDGD833	Drama Method	GDE Annual	6
EDGD834	French Method	GDE Annual	6
EDGD835	Computer Studies Method 1	GDE Annual	6
EDGD836	Computer Studies Method 2	GDE Annual	6
EDGD837	Personal Development, Health and Physical Education Method 1	GDE Annual	6
EDGD838	Personal Development, Health and Physical Education Method 2	GDE Annual	6
EDGD840	Society and Culture Method	GDE Annual	6

Other Information

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

Graduate Diploma in TESOL

Testamur Title:	Graduate Diploma in TESOL
Abbreviation:	GDipTESOL
Home Faculty:	Education
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus Distance
Starting Session(s):	Autumn/Spring (on campus and distance) EDU November (distance only)
Location:	Wollongong
UOW Course Code:	669
CRICOS Code:	020206J

Overview

The Graduate Diploma in TESOL provides a substantial specialist qualification for working in the English language teaching area. It meets the specific professional development needs of a broad range of English language teachers and educators. Participants can choose from a range of subjects which provide a foundation in second language teaching and learning. The course includes a supervised TESOL practicum - a requirement of most employers. Applicants are advised to check with potential employing bodies regarding employment requirements.

The course prepares students to work in a wide variety of contexts in Australia and internationally with children, teenagers and adults. It provides students with in-depth understanding of areas such as second language development, systems of language and computer assisted language learning along with practical skills in second language teaching and learning. While it has a strong practical core, it has a greater emphasis on theory than the Graduate Certificate in TESOL.

This course is offered both on campus and through distance education.

Entry Requirements

Candidates must meet the normal University requirements for Graduate Diploma entry, i.e., a three-year Bachelor degree or equivalent.

Course Requirements

Students must take 48 credit point chosen from the TESOL subjects listed below.

Course Program

Subjects		Credit Points
EDGT917	English Language: Learners' Problems	6
EDGT930	Methodology in Second Language Teaching*	6
EDGT931	Teaching Speaking and Listening	6
EDGT932	Second Language Literacy	6
EDGT934	Teaching Pronunciation and Prosody	6
EDGT935	Teaching English in International Contexts (Available by distance only)	6
EDGT937	Field Experience Project in TESOL*	6
EDGT938	Professional Experience in TESOL*	6
EDGT940	Materials and Technology in Second Language Teaching	6
EDGT983	Assessing and Evaluating in TESOL Environments	6
EDGT984	Theories of Second Language Learning*	6
EDGT985	Teaching English in Specific Contexts	6
EDGT990	Engaging Contexts of ESL Education	6
EDGX917	International and Intercultural Perspectives in Education	6

* EDGT930, EDGT984 and one of EDGT937 or EDGT938 are compulsory core subjects in the GDipTESOL

Contact Information

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

Master of Arts (Information Technology in Education and Training)

Testamur Title:	Master of Arts (Information Technology in Education and Training)
Abbreviation:	MA (IT in Ed)
Home Faculty:	Education
Duration:	Four sessions part time only
Total Credit Points:	48
Delivery Mode:	Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	571
CRICOS Code:	N/A

Overview

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

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

Entry Requirements

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

Course Requirements

Students are required to complete 48 credit points chosen from the Information Technology in Education and Training program listed below. Those wishing to study full time should contact the course coordinator to discuss a study plan.

Course Program

Subjects		Credit Points
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

Other Information

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

Master of Education

Testamur Title:	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 (face to face with online support) Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	576
CRICOS Code:	000289M*

Overview

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

Entry Requirements

To qualify for admission into the Master of Education, a student must have a four year Bachelor degree with a major study in Education, or an equivalent qualification (e.g. BA plus GDipEd) from an approved institution. Other qualifications such as a three year qualification in Education or substantial professional experience may be considered as meeting these requirements and should be discussed with the Director of Graduate Teaching.

Credit Transfer

The Faculty of Education may approve up to 12 credit points of advanced standing in the Master of Education for accredited professional development courses or relevant tertiary study that is completed over and above the entry requirements. For further information check the Faculty of Education website under Postgraduate Courses.

Course Requirements

The MEd program comprises 48 credit points of study, chosen as follows:

EDGZ921 Introduction to Research and Inquiry (6 credit points) or equivalent. It is recommended that this subject be completed early in the program of study; and,

at least 24 credit points from a single specialisation (major study); and

the remaining 18 credit points of electives can be chosen from any Master of Education specialisation.

Students may need to discuss their proposed course of study with the relevant specialisation coordinator. Students wishing to take an elective from outside the Faculty of Education need to obtain approval from the Director of Graduate Teaching.

Specialisations (major study areas)

- Adult Education/Vocational Education and Training/Higher Education
- Early Years Education
- Educational Leadership
- Information Technology in Education and Training
- Literacy Education
- Special Education
- Teaching English to Speakers of Other Languages (TESOL)
- Interdisciplinary Studies in Education

Research Subjects

Subjects in the list below can be included in any MEd program. They do not constitute a separate major study area, but provide the various methodology and project subjects which can be included in the MEd and higher degrees.

Subjects		**Credit Points**
EDGZ903	Minor Project in Education	8
EDGZ906	Minor Project	6
EDGZ912	Special Research Topic	8
EDGZ920	Research Project Report	2
EDGZ921	Introduction to Research and Inquiry*	6
EDGZ926	Professional Project	12
EDGZ965	Vygotskian Studies in Education	4
* EDGZ921 is a compulsory subject in all MEd specialisations.		

Other Information

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

Adult Education/Vocational Education and Training/Higher Education

The MEd (Adult Education/Vocational Education and Training/Higher Education) program comprises 48 credit points of study, chosen as follows:

Subjects		Credit Points
EDGZ921	Introduction to Research and Inquiry*	6
EDGZ920	Research Project Report *(possible addition to EDGZ921 but not compulsory)*	2
Plus 24 credit points from the list below:		
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
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
Plus 16-18 credit points from the list above, or from any other Master of Education specialisation (to total 48 credit points for the whole degree).		
*Compulsory subjects for the MEd (Adult Education/Vocational Education & Training/Higher Education).		

Other Information

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

The Early Years

The MEd (Early Years) program comprises 48 credit points of study, chosen as follows:

Subjects		Credit Points
EDGZ921	Introduction to Research and Inquiry*	6
Plus 24 credit points from the list below:		
EDGY901	Pedagogy, Practice and Play in Early Years	6
EDGY902	Early Years Curriculum Studies	6
EDGY903	Socio-cultural Perspectives in the Early Years	6
EDGY904	Management, Supervision and Leadership for Early Childhood Professionals	6
EDGY905	Healthy Lifestyles for Preschool Children: Physical Activity	6
Plus 18 credit points from the list above, or from any other Master of Education specialisation.		
*Compulsory subject for the MEd (Early Years Education)		

Other Information

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

Educational Leadership

The MEd (Educational Leadership) program comprises 48 credit points of study, chosen as follows:

Subjects		Credit Points
EDGZ921	Introduction to Research and Inquiry*	6
Plus 24 credit points from the list below:		
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
EDGL913	Program Evaluation	6
EDGL919	Mentoring Beginning Teachers	6
EDGL920	Leading, Developing & Managing People	6
EDGL922	Law for Educational Leaders	6
Plus 18 credit points from the list above, or from any other Master of Education specialisation.		
*Compulsory subjects for the MEd (Educational Leadership)		

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

Other Information

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

Information Technology in Education and Training

The MEd (Information Technology in Education and Training) program comprises 48 credit points of study, chosen as follows:

Subjects		Credit Points
EDGZ921	Introduction to Research and Inquiry*	6
EDGZ920	Research Project Report *(possible addition to EDGZ921, but not compulsory)*	2
Plus 24 credit points from the list below:		
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
Plus 16-18 credit points from the list above, or from any other Master of Education specialisation (to total 48 credit points for the whole degree).		
*Compulsory subjects for the MEd (Information Technology in Education and Training).		

Other Information

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

Literacy Education

The MEd (Literacy Education) program comprises 48 credit points of study, chosen as follows:

Subjects		Credit Points
EDGZ921	Introduction to Research and Inquiry*	6
Plus 24 credit points from the list below:		
EDGR921	Expanding Literacy Repertoires*	6
EDGR922	Literature for Children and Young People	6
EDGR923	Knowing about Language in Context*	6
EDGR924	Learning Environments for Literacy Development	6
EDGR925	Literacy Assessment: Research, Policy and Practice*	6
EDGR926	Current Issues in English Curriculum and Policy	6
Plus 18 credit points from the list above, or from any other Master of Education specialisation.		
*Compulsory subjects for the MEd (Literacy Education).		

Other Information

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

Special Education

The MEd (Special Education) program comprises 48 credit points of study, chosen as follows:

Subjects		Credit Points
EDGZ921	Introduction to Research and Inquiry*	6
Plus 24 credit points from the list below:		
EDGS901	Introduction to Inclusive Education: Strategies, Policies and Legislation	6
EDGS910	Learning Theories and Exceptionality	6
EDGS912	Investigating Issues in Special Education/Inclusive Education	6
EDGS914	Assessment and Instruction of Individuals with High Support Needs	6
EDGS916	Models of Behaviour Management	6
EDGS918	Approaches to Reading Difficulties: Theories and Strategies	6
EDGS920	Language and Communication Difficulties: Theory and Practice	6
EDGS922	Teaching Gifted Children	6
EDGS924	Giftedness in Special Populations	6
EDGS930	Professional Experience in Special Education	6
Plus 18 credit points from the list above, or from any other Master of Education specialisation.		
*Compulsory subject for the MEd (Special Education).		

Student Income Support

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

The Master of Education (Special Education) has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

information.

NSW DEC Special Education Retraining Program

Students undertaking the DEC Special Education Retraining Program should contact the Faculty of Education for information about their program of study.

Other Information

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

Teaching English to Speakers of Other Languages (TESOL)

The MEd (TESOL) program comprises 48 credit points of study, chosen as follows:

Subjects		**Credit Points**
EDGZ921	Introduction to Research and Inquiry*	6
Plus 24 credit points from the list below:		
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	Assessing and Evaluating in TESOL Environments	6
EDGT984	Theories of Second Language Learning*	6
EDGT985	English in Specific Contexts	6
EDGT990	Engaging Contexts of ESL Education	6
Plus 18 credit points from the list above, or from any other Master of Education specialisation.		
*Compulsory subjects for the MEd(TESOL)		

Other Information

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

Interdisciplinary Studies in Education

The MEd (Interdisciplinary Studies in Education) program comprises 48 credit points of study, chosen as follows:

Subjects		**Credit Points**
EDGZ921	Introduction to Research and Inquiry*	6
Plus 24 credit points from the list below (additional subjects for the Interdisciplinary Studies major may be drawn from other specialisations in consultation with the program coordinator):		
EDGX901	Psychology for Educators	6
EDGX902	Educational Sociology: Culture, Society and Education	6
EDGX910	Researching Children	6
EDGX917	International and Intercultural Perspectives	6
EDGE900	Introduction to Technology in Education	8
EDGH951	Global Issues and Trends in Adult Education/Higher Education and VET	8
EDGL901	Foundations of Educational Leadership	6
EDGR922	Literature for Children and Young People	6
EDGT984	Theories of Second Language Learning	6
Plus 18 credit points from the list above, or from any other Master of Education specialisation (to total 48 credit points for the whole degree).		
*Compulsory subject for MEd (Interdisciplinary Studies in Education)		

Other Information

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

Master of Physical and Health Education

Testamur Title:	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:	On Campus (face to face with online support) Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1576
CRICOS Code:	054116G

Overview

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

Entry Requirements

Students will have a four year undergraduate degree with a recognised 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

Students complete a 48 credit point program, comprising at least 24 credit points chosen from the Physical and Health Education program listed below. The remaining subjects can be chosen from other Master of Education specialisations such as Educational Leadership, Special Education or Information Technology, in consultation with the Physical and Health Education Co-ordinator. International students are advised to contact the program coordinator before enrolment to discuss the structure of their program.

Course Program

Core Subjects		**Credit Points**
EDGZ921	Introduction to Research and Inquiry	6
Plus 24 cp chosen from the following list:		
EDGP924	Young People and Health	6
EDGP930	Theoretical and Practical Bases of Coach Education	6
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
EDGE900	Introduction to Technology in Education	8
EDGE902	Instructional Strategies and Design	8
EDGZ906	Minor Project or	6
EDGZ903	Minor Project	8

Other Information

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

FACULTY OF EDUCATION

EDGB914 School Counselling in Context

Annual Wollongong Flexible

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

EDGC801 Professional Experience

GDE Annual	Batemans Bay	On Campus
GDE Annual	Bega	On Campus
GDE Annual	Shoalhaven	On Campus
GDE Annual	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: EDGC800 Practicum or equivalent
Co-requisite: 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.

EDGD800 Professional Experience

GDE Annual	Batemans Bay	On Campus
GDE Annual	Bega	On Campus
GDE Annual	Shoalhaven	On Campus
GDE Annual	Wollongong	On Campus
GDE Spring Autumn	Batemans Bay	On Campus
GDE Spring Autumn	Bega	On Campus
GDE Spring Autumn	Shoalhaven	On Campus
GDE Spring Autumn	Wollongong	On Campus

Credit Points: 0
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC800
Subject Description: This subject is the compulsory professional experience component of the program. It involves field experience in schools and practice teaching in schools. Emphasis is placed on lesson planning, classroom management, and catering for a diversity of learners in the classroom, Students will also be required to reflect on their roles and responsibilities in child protection and welfare.

EDGD801 Learning and Behaviour

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The subject will focus on the psychology of learners with an emphasis on effective teaching and classroom management strategies. The theories of teaching and learning, as well as the models of classroom management, will inform pre-service teachers on planning for effective learning and thereby reducing teacher stress. This unit will assist with identifying common causes of behavioral problems in the classroom and will offer strategies for dealing with these problems.

EDGD802 Educational Sociology

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC812
Subject Description: This subject focuses on ways in which a teacher can celebrate the diversity of school contexts and diversity among learners, and apply a philosophy of equity for student learning from K-12. It aims to provide students with an understanding of the role of education in issues such as gender, class, 'race', ethnicity and ability. It also aims to engage students in the debates around contemporary issues such as 'inclusion', issues in schools and families, perceptions of gender and sexualities, cultural diversity, and the use and critique of technology and mass media.

EDGD803 Literacy Across the Curriculum: Primary

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC812, EDGC822
Subject Description: EDGD803 explores the teaching of Literacy in both the primary and secondary school classroom. It does so through developing an understanding of several key areas that impact upon the teaching of Literacy. Learning language is both social and functional that is made up of a set of symbols that children learn to control, interact with and use to make meaning. Teaching children about

Literacy should be planned, systematic and balanced as process, strategies and skills are addressed in meaningful ways to develop understanding. Teachers need to constantly engage in a reflective cycle of assessment and evaluation as they develop and implement literacy opportunities for their students. These should be supported by an in-depth understanding of the support documents of the NSW Syllabus.

EDGD804 Personal Development, Health and Physical Education

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC822
Subject Description: All teachers, primary and secondary, play a vital role in ensuring the health and welfare of students within the school setting. It is therefore part of the responsibility of teachers to promote the physical and emotional wellbeing of students by providing environments in which they feel safe, where they can communicate with others and can contribute in ways that are accepted and valued. In addition, schools have a responsibility to provide opportunities for students to be involved in safe, well structured sporting and physical activity programs where they are encouraged to develop skills that can lead to lifelong participation in physical activity.

EDGD805 Professional Skills for PDHPE (PDHPE Specialists Only)

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC814
Subject Description: This subject complements the teaching methods theory component within the Graduate Diploma in Education program and aims to provide a strong foundation in areas those areas that fall under the professional responsibilities of a Personal Development, Health and Physical Education (PDHPE) teacher. Those in the PDHPE Key Learning Area play a major role in maintaining the health and welfare of students in both a whole school and subject specific setting and those wishing to be effective teachers need to be able to apply their professional skills in a variety of contexts.

EDGD806 Aboriginal Education

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The subject covers a range of selected topics that relate to Aboriginal education including: history, survival, health, Aboriginal perspectives and the impact of socio-cultural factors on teaching and learning and Quality Teaching. Students will examine best practice and case studies that identify what's working in schools. Overall the subject aims to build the capacity of students to engage and deliver Aboriginal pedagogies and make learning meaningful for Aboriginal students in a sensitive and culturally safe environment for all. Students will also be provided with Aboriginal peoples critical analysis on these constructions and more importantly our own worldviews on identities, culture(s), histories and educational experiences.

EDGD807 Learners With Special Needs

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The philosophy and implementation of inclusive practices rather than segregation is having a strong influence on the education of learners with exceptional needs. Students with widely ranging levels of ability are now educated in regular classrooms. It is critical, therefore, that all teachers understand and are able to respond to the special needs of these learners. This course aims at developing teaching skills which address the needs of students with a range of special educational needs who spend at least some time in regular classrooms. The emphasis throughout is on structuring the regular classroom and developing appropriate teaching strategies so that the needs of students with a wide range of abilities are addressed.

EDGD808 Quality Teaching

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This unit considers the role and responsibilities of the classroom teacher, principles of quality teaching, professional teaching standards in on-campus, on-site and on-line learning environments. Students will also critically examine contemporary contexts and issues of education, including teaching, curriculum development, communication and information and communication technology.

EDGD809 Literacy Across the Curriculum: Secondary

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC812, EDGC822
Subject Description: This subject recognises that language and literacy are central to the learning process, and that language development and acquisition of content knowledge are interwoven and realised within a range of key learning areas. It develops understandings of the role of language in learning and the differences between spoken and written language. It will also consider literacy in changing circumstances and the increased diversity which impacts

upon literacy teaching and practice. Students will investigate the language and literacy demands of the different curricula in Secondary Teaching Areas and develop a repertoire of teaching strategies to assist their students in meeting these demands. They will develop skills in developing instructional sequences that encompass strategies for teaching and assessing language and literacy skills.

EDGD810 English KLA

GDE Primary Autumn	Batemans Bay	On Campus
GDE Primary Autumn	Bega	On Campus
GDE Primary Autumn	Shoalhaven	On Campus
GDE Primary Autumn	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC861 and EDGC862
Subject Description: EDGD810 explores the teaching of the English Key Learning Area in the primary school classroom. It does so through developing an understanding of several key areas that impact upon the teaching of English (Language). Learning language is both social and functional that occurs across the four modes of language- Talking, Listening, Reading and Writing. Language is made up of a set of symbols that children learn to control, interact with and use to make meaning. Teaching children about language should be planned, systematic and balanced as process, strategies and skills are addressed in meaningful ways to develop understanding. Teachers need to constantly engage in a reflective cycle of assessment and evaluation as they develop and implement literacy opportunities for their students. These should be supported by an in-depth understanding of the support documents of the NSW English Syllabus.

EDGD811 Mathematics KLA

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC861 and EDGC862
Subject Description: In this first subject of mathematics and pedagogy, students will gain knowledge and understanding of key aspects of Mathematics K-6 and develop effective teaching and learning strategies for successful classroom practice. The subject will also embed the pedagogy within major theoretical perspectives on mathematical learning and teaching. The unit will be specifically concerned with three strands of the NSW Mathematics K-6 syllabus (2002): Number, Measurement and Working Mathematically.

EDGD812 Science and Technology KLA

GDE Autumn	Batemans Bay	On Campus
GDE Autumn	Bega	On Campus
GDE Autumn	Shoalhaven	On Campus
GDE Autumn	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC861 and EDGC862
Subject Description: In this subject students develop an understanding about the K-6 syllabus for Science and Technology (curriculum) and the Science and Technology Outcomes and Indicators document (1999). In addition the students learn discipline knowledge (content) and about ways of teaching the subject (pedagogy).

EDGD813 Creative Arts KLA

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC861 and EDGC862
Subject Description: This subject will prepare students to: research, compare and interpret music, visual arts, dance and drama in a variety of contexts including social, cultural and historical; identify and prepare appropriate arts education teaching materials and strategies for the primary classroom; identify the purpose and structure of the arts and its relationship to the NSW syllabus; engage in experiences whereby they come to understand the language of the arts; examine possibilities for integrating the arts with other subject areas; be involved in practical skills in listening, singing, playing, moving, and creating, as well as in the making of art works and develop and demonstrate sound reporting and assessing practices.

EDGD814 Human Society and Its Environment KLA

GDE Spring	Batemans Bay	On Campus
GDE Spring	Bega	On Campus
GDE Spring	Shoalhaven	On Campus
GDE Spring	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC861 and EDGC862
Subject Description: "The future wellbeing of human society and its environment depends upon the quality of people's interactions with each other and with their cultural, social and physical environments as they strive to meet each other's needs (NSW BOS HSIE K-6 syllabus 1998, p.7)". This subject introduces teacher education students to the concept of learning and teaching in the key learning area known as Human Society and Its Environment (HSIE). Through lectures, hands on tutorial workshops and practicum experience students will be provided with the knowledge and skills that will assist them to develop innovative and creative classroom programs in HSIE building on the NSW HSIE syllabus. The outcome of the subject will be the ability for student educators to plan and implement HSIE in classrooms in order to develop learners values, attitudes, skills and knowledge. This subject will also raise the awareness of students personal, community, national and global identity, but also enhance their understanding of the role that each of them play as responsible citizens in maintaining and improving our cultural, social and physical environment.

EDGD815 Numeracy

GDE Primary Autumn	Batemans Bay	On Campus
GDE Primary Autumn	Bega	On Campus
GDE Primary Autumn	Shoalhaven	On Campus
GDE Primary Autumn	Wollongong	On Campus

Credit Points: 5
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC861 and EDGC862

Subject Description: In this second subject on mathematics and pedagogy, students will gain knowledge and understanding of key aspects of Mathematics K-6 and develop effective teaching and learning strategies for successful classroom practice. The subject will also embed the pedagogy within major theoretical perspectives on mathematical learning and teaching. The unit will be specifically concerned with three strands of the NSW Mathematics K-6 syllabus (2002): Space and Geometry, Patterns and Algebra, Data and Working Mathematically.

EDGD820 Science Method 1
GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC851
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD821 Science Method 2
GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC851
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD822 Mathematics Method 1
GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC853
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD823 Mathematics Method 2
GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: EDGD822
Co-requisite: None
Exclusions: EDGC854

Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD824 English Method
GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC855
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD825 Modern History Method
GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC856
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD826 Geography Method
GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC857
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD827 Business Studies Method
GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC858

Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD828 Legal Studies Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC860
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD829 Music Method 1

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC871
Subject Description: Future teachers must be professional in their approach to teaching. An integral part of this approach is recognising teaching as a profession. Beginning teachers must be current, able to initiate and react to curriculum change; strive to expand their repertoire of teaching skills; be reflective; and develop a personal philosophy appropriate for an evolving profession. This subject is designed to assist students in their preparation for the teaching profession. The Music Method 1 subject specifically aims to provide students with curriculum, programming, reporting, assessment and practical foundations required for the teaching of Stage 4,5 and 6 Music in Secondary Schools. Specific attention is given to NSW Board of Studies Music Syllabus through curriculum planning, developing an understanding of learning environments, lesson methodologies, management styles, teaching skills and strategies,student assessment procedures, content development, and program evaluation appropriate to the teaching of Music in Secondary Schools.

EDGD830 Music Method 2

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC872
Subject Description: Future teachers must be professional in their approach to teaching. An integral part of this approach is recognising teaching as a profession. Beginning teachers must be current, able to initiate and react to curriculum change; strive to expand their repertoire of teaching skills; be reflective; and develop a personal philosophy appropriate for an evolving profession. This subject is designed to assist students in their preparation for the teaching profession. The Music Method 1 subject specifically aims to provide students with curriculum, programming, reporting, assessment and practical foundations required for the teaching of Stage 4,5 and 6 Music in Secondary Schools. Specific attention is given to NSW Board of Studies Music Syllabus through curriculum planning, developing an understanding of learning environments, lesson methodologies, management styles, teaching skills and strategies,student assessment procedures, content development, and program evaluation appropriate to the teaching of Music in Secondary Schools.

EDGD831 Visual Arts Method 1

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC873
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD832 Visual Arts Method 2

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC874
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD833 Drama Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC875
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD834 French Method

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

Exclusions: EDGC876
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Senior Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD835 Computer Studies Method 1

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC881
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Senior Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD836 Computer Studies Method 2

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC882
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Senior Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD837 Personal Development, Health and Physical Education Method 1

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC891
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD838 Personal Development, Health and Physical Education Method 2

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC892
Subject Description: This subject is designed to assist students in their preparation for teaching this subject in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGD840 Society and Culture Method

GDE Annual Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGC858
Subject Description: This subject is designed to assist students in their preparation for teaching the subject Society and Culture in Secondary Schools. This subject will examine the theoretical and practical foundations of this teaching area including planning, programming and relevant teaching strategies in order to cater for the diverse range of learners students will encounter in their teaching career. Students will cover the content of the NSW syllabus, learning styles, assessment and reporting and will investigate current issues, theories and practices in this subject area.

EDGE900 Introduction to Technology in Education

Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: 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-requisite: 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-requisite: None
Subject Description: This subject will enable students to develop their understanding of technology-based learning through the design of innovative and authentic learning environments using instructional design principles. The subject will focus on the design and development of technology-based learning environments using a variety of instructional strategies, as well as the tools that can be used to develop such environments. Students will design a technology-based learning environment, and outline planning decisions related to task design, assessment, instructional strategies, media selection, and program evaluation. Students will be able to choose projects to suit their own teaching or training needs, to focus on topics and media of interest, and to work both individually and collaboratively at a distance.

EDGE903 Multimedia and Interface Design

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: In the design of interactive learning environments, the development of an effective interface and the choice of appropriate media requires not only an understanding of the knowledge domain but also the most effective way to represent this to learners. This subject will develop students understanding of the design and development of interactive multimedia learning resources and environments through a focus on selecting and combining media appropriately for effective learning. This subject explores the role of effective visualisation and screen design and the ways it can facilitate understanding by learners/users of software. Topics focus on how multiple media can be combined to enhance understanding, how visual design and metaphor support reduction in cognitive load, how effective electronic performance support systems support work through complex tasks and how usability can be investigated. Students will have an opportunity to design their own multimedia treatments for concepts of their choice and, using the software tools available, develop these into learning resources.

EDGE904 Online Learning and teaching

Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: EDGI915
Subject Description: EDGE 904 Online learning and teaching provides a basic introduction to current design and research issues in online learning. Topics covered include technologies that facilitate online teaching and learning; the theoretical and pedagogical underpinnings of online teaching and learning; and, the communication models that are utilised in online teaching and learning.

EDGE905 Evaluation of Technology-Based Learning

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: EDGI933
Subject Description: In this subject, students will explore appropriate evaluation approaches throughout the entire life cycle of an interactive learning system or technology-based learning environment-from needs analysis through to formative and summative evaluation, and beyond. Evaluation frameworks and models and how they are applied will be examined in depth, and students will develop strategies for selecting appropriate evaluation methods based on decisions that need to be made about a learning environment. Students will have the opportunity to apply their understanding of evaluation to a real-world context by designing a large-scale evaluation of a technology-based learning environment.

EDGH951 The Global Challenge in Adult Education/VET/Higher Education

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: 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. These developments are explored in the context of the work of administrators, trainers and teachers in their workplace settings. Three assessment items must be completed successfully.

EDGH952 Learning about Learning in Adult Education/VET/Higher Education

Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: 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 subject highlights aspects of good learning theory that students may be able to trial in their workplace.

EDGH955 Professional Development in Ad Educ/VET/Higher Educ

Autumn Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: 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 three modules with assessments attached to each.

EDGH956 Innovation for Practitioners in Ad Educ/VET/Higher Educ

Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: 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 three assessment modules.

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

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

EDGL901 Foundations of Educational Leadership

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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.

EDGL909 Leadership of Effective Change

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The topics, case studies, and projects of this subject are selected to develop effective leadership strategies for implementing effective change in education and training organisations. They include: characteristics of effective change; environmental scans; the critical role and importance of staff in implementing effective change; working through HR strategies to achieve effective change strategies for planning, implementing and monitoring effective change in professional service organisations, with a particular focus on project management techniques for effective change

EDGL911 Leadership in Curriculum

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: 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.

EDGL919 Mentoring Beginning Teachers

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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-requisite: 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-requisite: None
Subject Description: Adolescent Health I will provide an overview of health, well-being and the dimensions of health. The current health status of Australians, in particular, young people will be examined. The focus will be on psychosocial health and the mental illnesses affecting adolescents (psychotic, non-psychotic, self-harm). The sociocultural influences on a young person's mental health and sense of self will be explored. The salutary factors of resilience, connectedness, participation, positive self worth and sense of belonging will be included. Common problems of bullying, harassment and coping with loss and grief will be discussed.

EDGP902 Adolescent Health 2

EDU Intake Jan Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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-requisite: None
Subject Description: Through participation in a variety of practical and theoretical experiences, students will develop their own level of performance and utilise a variety of teaching strategies associated with composition of movement. Students will participate in a range of modern, contemporary, and cultural dance mediums exploring locomotor and non-locomotor movements. Dominant movement patterns and concepts underlying dance and gymnastics, elements of composition and movement appreciation will be explored. The subject will cover specific safety considerations in planning, devising and performing dance and gymnastics movements. Students will be required to compile a resource folder of a range of movement experiences and associated resources to assist in future program design.

EDGP910 Introduction to Outdoor Education

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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.

EDGP912 Facilitation Techniques in Outdoor Education

Autumn Wollongong Flexible
Credit Points: 6

Pre-requisites: None
Co-requisite: None
Subject Description: 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.

EDGP924 Young People and Health

Spring Wollongong Distance
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGA924
Subject Description: This subject will address issues associated with young people's health from a critical perspective, drawing on social and cultural theory and research in the area. It will provide participants with the knowledge and skills to evaluate the different positions on young people's health and to develop the capacity to critically assess the substantial amounts of information available in academic and popular writings on the topic. Topics covered in the subject will include: youth as a relational concept; health issues facing young people today; ' risk' and young people; globalisation and youth health; approaches to youth health; youth health services; schools and youth health. This subject replaces EDGA924 in the postgraduate PE/Health program.

EDGP930 Theoretical and Practical Bases of Coach Education

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: 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.

EDGP932 Issues In Coach Education and Sport Management

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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.

EDGP934 Cultural Politics of Sport, Leisure and Physical Education

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Exclusions: EDGL903
Subject Description: This core subject provides students with the range of foundational understandings essential for understanding the management function in education and training organisations. The content topics are selected to introduce the main areas of intellectual understanding which underpin 'present' oriented effective management by developing conceptual understandings of: adult education and training; staff development; information systems; financial management; personal management skills- as they contribute to the management function of educational organisations. As the course is related to educational management, it takes an overarching view of the challenges and issues facing incumbent or aspiring educational managers from different perspectives including physical education, sport and recreation. Students will be able to explore issues of relevance and application to their specific context.

EDGP990 Practicum in a Learning Environment

Spring Wollongong Distance
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: 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.

EDGR921 Expanding Literacy Repertoires

Spring Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is an opportunity to reflect upon what it means to be literate in contemporary society. It traces historical and emergent theories of literate practice and concomitant pedagogic approaches. It considers the nature of the learner and learner groups in a context increasingly marked by social and cultural diversity. Participants are encouraged to critically analyse the range of programs, strategies and resources currently used in literacy pedagogy. The subject recognises the foundational nature of early literacy instruction as well as the increasing breadth and depth of literacy demands across the compulsory years of schooling. The subject emphasizes the relationship between theory and practice with the intent that participants are well equipped to interrogate their own teaching sites and practice.

EDGR922 Literature for Children and Young People

Autumn Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The inclusion of literature is an integral aspect of classroom literacy practice. Students engage with a wide variety of texts in the form of books (fiction and non-fiction), new literacies and community-based texts. This subject provides opportunities to:Encounter a range of authors and illustrators of literature for children and young people;Examine theories of literary criticism in connection with literature for children and young people; Explore the range of existing and emerging genres and the historical development of these; Reflect upon the role of literature in supporting learners' literacy development.

EDGR923 Knowing About Language in Context

Spring Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: There is an expectation that teachers will have an in-depth understanding of how the English language works so that they are in a position to set objectives, identify students' problems and answer their questions, design relevant teaching activities and assess students' work. Teachers and students will need to know about the form and structure of language as well as how language functions in various contexts. This subject focuses on the functions of language in our lives and the language resources that students need in a range of situations, across various areas of the curriculum, and at different stages of development.

EDGR924 Learning Environments for Literacy Development

Autumn Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject explores contemporary classroom life. It examines teacher and student interactions in literacy activities in a technology-rich environment. It recognises that teaching and learning form a complex dynamic process involving talk as a key element in a multi-modal ensemble used in varying organisational patterns. The subject assists teachers to design and implement literacy pedagogy that rests on classroom interaction that is carefully planned, scaffolded and designed with a view to maximising student participation and success. The analysis of the learning environments is informed by modern socio-cultural theoretical approaches.

EDGR925 Literacy Assessment: Research, Policy and Practice

Spring Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Assessment is usually a controversial area, fraught with debates over different approaches, different paradigms, overtones of accountability, and so on. Teachers need to understand the issues so that they can develop a clear position on such questions and how they relate to the profession, our educational institution, and classrooms. This subject will examine the role of assessment in students' literacy development along a continuum from the more informal, learning-oriented assessment through to the more formal testing of literacy. It also looks at the collection and interpretation of data and the role of assessment in designing and planning lessons as part of the teaching learning cycle.

EDGR926 Current Issues in English Curriculum and Policy

Annual Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject considers the nature of English in school education and current issues around curriculum, policy and assessment on national and global stages. The subject is designed to be flexible in order to respond to issues as they arise in media, curriculum and policy developments. Delivered through a series of expert lecture-seminars, students prepare to participate in each seminar by undertaking focused background reading and developing interview questions. There is opportunity for students to undertake an in-depth investigation of a particular issue relevant to their professional settings.

EDGS912 Contemporary Perspectives Education of Students with Diverse Needs

Spring Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject encourages students to complete an in-depth study of a contemporary issue in Special Education. The subject is specifically tailored for each student. The course co-ordinator will negotiate the topic and the presentation format on an individual basis. Each student will produce an individual project equivalent to 6,000 words.

EDGS914 Assessment and Instruction of Individuals with High Support Needs

Spring Wollongong Flexible

Credit Points: 6
Pre-requisites: None

Co-requisite: 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.

EDGS916 Models of Behaviour Management

Autumn	Wollongong	On Campus
Autumn	Wollongong	Flexible

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

EDGS918 Approaches to Reading Difficulties: Theories and Strategies

Autumn	Wollongong	Flexible

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

EDGS920 Language and Communication Difficulties: Theory and Practice

Spring	Wollongong	Flexible

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

EDGS922 Teaching Gifted Students

Autumn	Wollongong	Flexible

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

EDGS924 Giftedness in Special Populations

Spring	Wollongong	Flexible
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: 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.

EDGS930 Professional Experience in Special Education

Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible

Credit Points: 6
Pre-requisites: EDGS916 and EDGS918
Co-requisite: None
Subject Description: Students who wish to work as special education teachers will undertake a 20 day (or equivalent) practicum experience in K-12 special education settings under the supervision of a trained teacher in that setting. They will need to complete specific tasks however, the main assessment will be made by the supervising teacher in their allocated setting.

EDGT917 English Language: Learners Problems

Autumn	Wollongong	On Campus
Autumn	Wollongong	Distance
Spring	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

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

EDGT930 Methodology in Second Language Teaching

Autumn	Wollongong	On Campus
Autumn	Wollongong	Distance
Spring	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

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

Autumn	Wollongong	On Campus
Autumn	Wollongong	Distance
Spring	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: In EDGT931 students will gain an understanding of spoken discourse, the nature of spoken interaction, the differences between speech and writing and the ways in which oral fluency fosters language development. The subject also addresses the different ways in which spoken discourse can be studied covering critical and other traditions of discourse analysis, multimodal and ethnographic approaches. The subject presents an overview of recent research and developments in the teaching of listening and speaking and how these areas can be taught in an integrated way making use of computer and other technologies and approaches.

EDGT932 Second Language Literacy

Autumn	Wollongong	Distance
Spring	Wollongong	Distance
Spring	Wollongong	On Campus
EDU Intake Nov	Wollongong	Distance

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

EDGT934 Teaching Pronunciation and Prosody

Autumn	Wollongong	Distance
Spring	Wollongong	Distance
Spring	Wollongong	On Campus
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The subject will provide students with an understanding of the English sound system: of intonation patterns, sentence rhythm and patterns of word stress, of English phonemes and also of features of connected speech such as elision and linking. The subject will also analyse teaching strategies and the development of teaching programs. There will be topics on assessing learners' needs and developing individual and class programs to address specific pronunciation needs.

EDGT935 Teaching English in International Contexts

Autumn	Wollongong	Distance
Spring	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

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

Autumn	Wollongong	Distance
Spring	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: EDGT930 or equivalent
Exclusions: EDGT933, EDGT938 or EDUE336
Subject Description: This subject is intended for students who want to get an extended experience in language teaching and learning in different contexts. The subject will be of interest to those who have little or no teaching experience and who would like to observe teaching and learning in a range of contexts (different age levels, different sectors) or those who are already experienced teachers but who would like to become familiar with different teaching contexts. It will also provide an alternative to the practicum for those who are not yet ready or who are not required to do one by employers. The subject provides an

opportunity to pursue a particular area of interest in some depth. The project involves classrooms observations and an in-depth study of an identified area of interest. In completing such a project, the student will have developed a detailed understanding of a significant topic and will have had experience in applying research skills.

EDGT938 Professional Experience in TESOL

Autumn	Wollongong	Flexible
Autumn	Wollongong	Distance
Spring	Wollongong	Distance
Spring	Wollongong	Flexible
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: EDGT930 or equivalent
Exclusions: EDGT937 or EDUE336 or EDGT933
Subject Description: The aim of this subject is to provide a guided introduction to the classroom application of second language teaching methodology and to provide an assessed practicum which meets the teaching practice requirements of employer bodies. Students will undertake observations and teaching ESL or EFL in primary, secondary or adult contexts, develop portfolios of work and evaluate aspects of the teaching and learning they observe.

EDGT940 Materials and Technology in Second Language Teaching

Autumn	Wollongong	Distance
Spring	Wollongong	Distance
Spring	Wollongong	On Campus
EDU Intake Nov	Wollongong	Distance

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

Autumn	Wollongong	Distance
Autumn	Wollongong	On Campus
Spring	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGA976
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 Assessing and Evaluating in TESOL Environments

Autumn	Wollongong	Distance
Spring	Wollongong	Distance
Spring	Wollongong	On Campus
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGA983
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

Autumn	Wollongong	On Campus
Autumn	Wollongong	Distance
Spring	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGA984
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

Autumn	Wollongong	Distance
Spring	Wollongong	On Campus
Spring	Wollongong	Distance
EDU Intake Nov	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: EDGA985
Subject Description: This subject is designed to provide an overview of the recent developments in research on English for Specific Purposes (e.g. business, academic and medical etc). It will begin with a review of the emergence of ESP, its historical background and development, and current status in the context of ESL/EFL. This will then be followed by an introduction to discourse analysis and its relevance to ESP. Cross-cultural differences in discourse patterns will also be explored. Students will have opportunities to analyse written and spoken texts used in different ESP contexts. On the basis of the analysis, the subject will turn to a discussion of the implications for ESP course design and evaluation. Although the focus of the subject is on developing students' ability to design an effective ESP program, their engagement with discourse analysis will help heighten their awareness of the genres which might facilitate their growth as writers in

academic settings.

EDGT990 Engaging Contexts of ESL Education

Autumn Wollongong Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject addresses four contexts of TESOL: Global context related to the spread of English as an international language; local policy contexts related to initiatives of the state regarding the education of learners with diverse backgrounds; institutional contexts related to the provision of curriculum, roles of specialist personnel, school-wide ESL programs and school culture; and community contexts examining the nexus between school and community as it relates to second language learning, intercultural communication and the role of the school in providing education for diverse learners. Students will be encouraged to develop a critical pragmatic approach to both wider and local ESL education environments through researching the prescriptions, practices and impacts of these contexts.

EDGX901 Psychology for Educators

Autumn Wollongong Flexible
Autumn Wollongong On Campus

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

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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Building on a philosophical framework based on the new sociology of childhood researching children will provide a comprehensive and practical introduction to undertaking a research project where children are the key participants. This subject will begin by introducing students to the main theories and theoretical approaches to doing research with children. The second part will support students to review past research and then consider a variety of possibilities on how to design and conduct research with children. Then in conclusion the students will consider specific contemporary issues that working with children may present and ways to overcome them. This final section will look closely at the ethics of doing research with children and the advantages and disadvantages of what being involved means for children, particularly for children who are positioned as vulnerable or in socially or culturally disadvantaged contexts.

EDGX917 International & Intercultural Perspectives in Education

Autumn Wollongong Distance
Spring Wollongong Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Learning and teaching is strongly influenced by international developments in education and by multicultural learning environments. Students will critically analyse issues of language policy, intercultural communication, ethnicity, culture, and power from contemporary international and intercultural perspectives. Students will explore concepts of international education, internationalisation, global education and socio-cultural contexts of teaching, including education in less industrialised regions of the world and education for minority groups.

EDGY901 Pedagogy, Practice and Play in Early Years

Autumn Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The subject will critically examine play as a central pedagogical approach in fostering young children's development and learning. It will present a range of classical and modern theories of play and treat the topics such as child spontaneous play; types and genres of play; indoor and outdoor play; play in a range of diverse contexts; providing for enriched play environments and play-oriented curriculum; the adaptability of play to different developmental stages; play-based educational programs. Current literature will be reviewed to enhance student awareness of national and international views on play in early life.

EDGY902 Early Years Curriculum Studies

Autumn Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject develops critical and evaluative awareness of many influences which impact upon curriculum within a range of early childhood settings. A range of traditional, alternative and contemporary

curriculum models will be analysed for their effectiveness in inclusive early childhood education. Current literature will be reviewed to enhance student awareness of national and international curriculum models and appropriateness to the Australian early childhood context.

EDGY903 Socio-cultural Perspectives in the Early Years

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will provide a theoretical background and practical strategies for creating an optimal social and personal environment for young children's learning and development. Students will be studying modern socio-cultural approaches to early childhood education stemming from the theories of Dewey, Vygotsky, Bruner and Bronfenbrenner, with a focus on practical implications for the development of young children. The topics treated will include: the role of communication and language in early years; the quality of adult-child interaction; the role of family involvement and the household funds of knowledge; contextually situated practice of early childhood education; socio-cultural approach to observation and dynamic assessment; play and the development of imagination. In addition, research approaches based in socio-cultural theories will be discussed. These will include ethnographic study, action and development research.

EDGY904 Management and Leadership for Early Childhood Professionals

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will examine the complex responsibilities of early childhood professionals in managing, delivering and advocating for quality programs and services for young children and their families. Recognition will be given to the current context of early childhood and the need for specific skills and knowledge required by leaders in meeting organizational and broader societal aims and objectives. Change management, human resources management, powerful communication, intrapersonal/self awareness, vision-building and sharing, motivation, supervision of staff, knowledge-building and mentoring, lobbying & advocacy are key components. Safety, nutrition and the physical, social and emotional health of infants and young children plus Indigenous perspectives on health and wellbeing of young children and families will be integrated into the subject. The subject will include a focus on developing an understanding of the management, leadership and advocacy role of early childhood professionals in promoting physical, social and emotional well-being of children and staff.

EDGY905 Healthy Lifestyles for Pre-School Children:Physical Activity

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Regular physical activity is critical for health and wellbeing of young children. However, preschool children currently do not participate in enough physical activity. This subject will look at the importance of physical activity during the preschool years and the role of early childcare centres in promoting physical activity. It will also look at the developmental milestones for 0-5 year olds in relation to physical activity. Finally the subject will evaluate current physical activity programs for young children and how these can be potentially modified for different groups of young children including indigenous children and those from lower socio-economic groups.

EDGZ903 Minor Project in Education

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: EDGZ921 or equivalent
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

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: EDGZ921 or equivalent
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 Flexible
Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: EDGZ921 or equivalent
Exclusions: EDGA912
Subject Description: The subject will allow students following a specific specialisation to appraise, extend and apply understanding and skills in their area of professional or academic concern. Students will be required to undertake a critical reading, review and reporting program. Some students may extend their investigation via a small field based inquiry project which will explore the related theory and program issues in a professional setting.

EDGZ920 Research Project Report

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 2
Pre-requisites: None
Co-requisite: 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

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the nature of research in Education and related areas. The subject will assist students in critically appraising reported research in academic contexts such as research journals, in public contexts such as government reports, and popular contexts such as the media. It will also provide the tools to conduct small project and site-based research and evaluation studies. Specifically the subject will address questions such as: why conduct research? what constitutes 'good' research? how are methodologies and theoretical frameworks for research determined? what are the ethical implications of conducting and reporting on research? These questions will be explored through tasks and the development of a project proposal related to specialisation interests of students undertaking the subject.

EDGZ926 Professional Project

Summer 2011/Autumn 2012 Wollongong Distance
Annual Wollongong Flexible
Credit Points: 12
Pre-requisites: None
Co-requisite: EDGZ921 or equivalent
Subject Description: This subject takes the form of a professional project which involves students identifying issues, researching the literature for recent information and presenting on current issues in their professional area; and the development and implementation of a project which would make a contribution to their local community of practice.

EDGZ930 Advanced Research Methods in Education

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: EDGZ922
Subject Description: This subject will examine in detail the main approaches to qualitative and quantitative research in education. From writing research questions to analysis, students will work through the following research designs: observational (including longitudinal, cross-sectional, and matched [case-control]); experimental; quasi-experimental (including group randomised trials); narrative; phenomenological; grounded theory; ethnographical; and case-study research.

EDGZ931 Research Proposal

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: EDGZ924
Subject Description: This subject helps students to design and plan the study that they will undertake within the research component of their course. Topics include: identifying and articulating educational problems; developing research questions; reviewing research literature; theoretical frameworks of research; research methods and designs; practicalities of conducting research; and ethics in research.

EDGZ932 Advanced Research Seminar

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: EDGZ925
Subject Description: This subject provides students with an opportunity to plan and conduct a small project that contributes to their research study. The project is negotiated with the subject coordinator and supervisor and may include (but not limited to): the development of an intervention or intervention materials; the design and or testing of data collection instruments. Students will interact with other research students within the subject to share their ideas and learn from the project experiences of others.

EDGZ965 Vygotskian Studies in Education

Autumn Wollongong Flexible
Credit Points: 4
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will provide postgraduate students with knowledge of modern perspectives on teaching and learning derived from the theory of Vygotsky. The aim of the subject is to develop understanding of the ways that the Vygotskian perspectives can be applied to conducting educational research. The theoretical perspectives treated will include: communities of practice, situated and distributed cognition, household funds of knowledge, activity theory and dynamic assessment. In addition, research methods, which are consistent with Vygotskian approach, will be discussed. These will include: ethnographic study, development research and other relevant qualitative research methods.

Faculty of Engineering

Member Units

School of Civil, Mining and Environmental Engineering
School of Mechanical, Materials and Mechatronic Engineering
School of Engineering Physics

Degrees Offered

Research

Doctor of Philosophy *(see page 127)*
Doctor of Philosophy (Integrated) *(see page 131)*
Master of Engineering - Research *(see page 134)*
Master of Science - Research *(see page 134)*

Coursework

Graduate Certificate in Engineering *(see page 135)*
Graduate Certificate in Engineering Asset Management *(see page 136)*
Graduate Certificate in Rolling Stock Engineering *(see page 136)*
Graduate Diploma in Engineering *(see page 137)*
Graduate Diploma in Medical Radiation Physics *(see page 139)*
Graduate Diploma in Science (Physics) *(see page 140)*
Master of Engineering Asset Management *(see page 141)*
Master of Engineering *(see page 142)*
Master of Engineering (Civil Engineering) *(see page 142)*
Master of Engineering (Environmental Engineering) *(see page 143)*
Master of Engineering (Materials Engineering) *(see page 143)*
Master of Engineering (Mechanical Engineering) *(see page 143)*
Master of Engineering (Mining Engineering) *(see page 144)*
Master of Engineering (Mechatronics) *(see page 144)*
Master of Engineering Management *(see page 145)*
Master of Engineering Practice *(see page 146)*
Master of Medical Radiation Physics *(see page 149)*
Master of Professional Engineering *(see page 150)*
Master of Rolling Stock Engineering *(see page 152)*
Master of Science (Medical Radiation Physics) *(see page 153)*

For tuition fee information please see the following:
Domestic - http://www.uow.edu.au/student/finances
International - www.uow.edu.au/prospective/international/fees/

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 credit points per year
Delivery Mode:	On campus (Supervised and individual research)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	001245D

Overview

Doctor of Philosophy (PhD) candidates undertake in-depth research in order to make an original contribution to the body of knowledge in their area of interest. This qualification can lead to, or enhance, an academic career and is also highly regarded by public and private sector employers. A thesis containing the candidate's research will be presented for external examination at the end of the study.

Entry Requirements/Assumed Knowledge

Students are required to have a Bachelor degree in a relevant discipline with Honours Class II, Division 2 or higher. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

Current Research Areas

Civil Engineering

- Steel and concrete structures
- Composite steel-concrete structures
- Deepwater oil and gas riser design
- Bridge engineering
- Ecologically sustainable structural design
- Solid and rock mechanics
- Foundation engineering, including railways
- Slope stability and reliability analysis
- Soft ground improvement technology
- Reinforced earth
- Dam and embankment engineering
- Finite element and other numerical methods
- Structural dynamics
- Cementitious and advanced materials for construction
- Flood studies, hydraulics and hydrology
- Water quality engineering
- Geo-environmental studies
- Flow and sediment transport in channel junctions

Environmental Engineering

- Advanced membrane treatment processes
- Agricultural waste treatment and management
- Ballast water treatment
- Bioenergy production and bioreactors
- Electrocoagulation
- Environmental geotechnology
- Environmental hydraulics and unit processes
- Environmental pollution control modelling
- Groundwater contaminant transport and modelling
- Integrated water recycling and reuse

- Recycling and solid waste management
- Remote area water treatment with renewable energy
- Removal of trace contaminants
- Risk assessment of wastewater reuse projects
- Soil erosion and sediment transport
- Supplementary water supply systems
- Treatment and drying of residuals for reuse
- Urban water quality process and modelling
- Water quality management and modelling of catchments, rivers and lakes.

Materials Engineering

Steel Metallurgy:

- Peritectic phase transformation: mechanism and kinetics
- Development of in-situ observation techniques
- Kinetics of phase transformations in zincalume alloy systems
- Property/microstructure relationships
- Process optimisation in direct reduction of iron
- Thermo-mechanical processing, including HSLA steels
- Corrosion of steelmaking refractories
- Slag properties and behaviour

Superconducting and Electronic Materials:

- Theory and mechanism of superconductors
- Phase relation, phase evolution and chemistry of superconductors
- Single crystal growth and study of intrinsic properties
- Fabrication of bulk, wires and tapes superconductors
- Critical current density, transport mechanism and flux pinning
- Studies on structure, microstructure and stability
- Colossal magnetoresistance materials
- Spintronic materials
- High energy batteries for electric vehicles
- Solid-state rechargeable lithium batteries for telecommunication and portable electronic devices
- Developing new cathode materials for lithium-ion batteries using Australian mineral resources
- Investigation of nano-materials for use in lithium rechargeable batteries
- Composite cathode materials for lithium ion batteries using chemical coating technique
- Hydrogen storage materials
- Nickel-metal hydride batteries
- Processing of thin films
- Investigation of superconductor thin films
- Nanofabrication of novel multilayer materials
- Coated conductors
- Nanostructure of electronic materials
- Ceramic and Refractory Materials:
- Sintering kinetics
- High temperature degradation
- Extrusion of resin-bonded ceramics
- Processing of refractories
- Intelligent Polymers:
- Artificial muscles
- Chemical and physical sensors
- Electronic textiles

Polymer Materials:

- Polymer coating adhesion
- Mechanical properties of polymer coatings
- Surface properties of polymers

Nano-materials:

- Synthesis and characterisation of carbon nanotubes
- High energy ball milling
- Structure and properties of nanocrystalline materials

Welding and Joining/Surface Engineering:

- Structure and properties of welded metals
- Weld metal cracking
- Post weld heat treatment
- Weldability of creep resistant steels
- Brazing and diffusion bonding
- Fusion welding of coated steels
- Surface engineering of materials
- Wear and surface property testing
- Physical vapour deposition processing of metals
- Ion implantation
- Microwave processing of materials
- Solidification
- Welding automation
- Welding process control
- Welding fume dispersion and control
- In process monitoring
- Laser hybrid welding
- Magnetically impelled arc butt welding

Special Materials Research and Technology

- Nanostructural and high surface area materials produced by mechano-chemical methods
- Plasma assisted mechano-synthesis and processing
- Solid/solid, solid/liquid and solid/gas reaction chemistry
- Super-hard materials, glassy metals and metal matrix composites
- Synthesis of MEMS materials by advanced processing techniques
- Electric discharge assisted, rapid reduction processes
- Plasma assisted synthesis of metal hydrides
- Iron-based shape memory alloys
- Copper based shape memory alloys
- Crystallography of martensitic transformations
- Microwave synthesis of non-oxide functional ceramics
- High temperature materials processing
- Rapid solidification processing

Mechanical Engineering (includes Mechatronics)

Applied Mechanics:

- Bio-mechanics
- Solid mechanics
- Computational fluid mechanics
- Jet cooling in industrial applications
- Finite element analysis
- Natural and hybrid ventilation of buildings
- Industrial ventilation systems
- Renewable energy systems

- Wave energy conversion
- Offshore structures
- Small wind energy systems
- Mechanical engineering design
- Heavy vehicle and rail dynamics
- Railway engineering
- Rolling mill technology
- Solar thermal system analysis and design
- Solid mechanics of elastic and magneto- elastic bodies
- System identification and control
- Tribology-bearing friction and wear
- Alternative fuels
- Novel IC engines

Manufacturing and Mechatronics:

- Sensors and actuators
- Smart materials and structures
- MEMS and Nanotechnology
- Laser welding and surfacing
- Automated pipe welding
- Robotic repair technology
- Novel control of arc processes
- Virtual reality weld simulator
- Magnetic impelled arc butt-welding
- Automated QC and reliability engineering
- Chip control in automated manufacture
- Expert/knowledge system in automated machining
- Intelligent manufacturing systems
- Monitoring/diagnosis of manufacturing processes and machinery conditions
- Integrated CAD/CAM
- Maintenance management

Bulk Materials Handling:

- Prediction of bin wall loads and flow rates
- Feeding and discharging systems including pressurised systems
- Dust and fume control
- Pneumatic conveying
- Computer simulation of discrete particles
- Biomass handling and feeding systems
- Fluidisation and deaeration

Mining Engineering

- Rock mechanics
- Mine simulation, planning and design
- Mine safety and mine ventilation
- Geostatistics
- Computer applications in mining engineering

Physics

- Astronomy and astrophysics
- Observational studies of star formation
- Comparative planetology: Mars and Venus
- Asteriod and cometary mining
- Laser spectroscopy

- Scattering of light by solids
- Solid state spectroscopy of impurities in semiconductors
- Studies of electronic wave functions in solids
- Theoretical astrophysics - galaxy formation, gas dynamics
- Terahertz optoelectronics
- Spintronics
- Thermionics
- Quantum transport in nanostructures
- Resonant tunnelling
- Far-infrared spectroscopy
- Thermal transport in layered structures
- Many body theory
- Zeeman spectroscopy
- Piezo spectroscopy

Medical Radiation Physics:

- Semiconductor radiation detectors
- Radiation transport and dosimetry
- Radiation therapy
- Medical imaging and radiology
- PET and SPECT instrumentation
- High Energy Physics Detectors
- Proton Therapy

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Doctor of Philosophy (Integrated)

Testamur Title:	Doctor of Philosophy (Integrated)
Abbreviation:	PhD (Integrated)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	48 credit points per year
Delivery Mode:	On campus (Coursework and supervised individual research)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	210
CRICOS Code:	072905G

Overview

The PhD (Integrated) is a four-year research degree which integrates a traditional three-year PhD thesis with one-year of coursework, comprising generic research training and discipline-specific content into a single degree.

The coursework provides candidates with the opportunity to develop their research skills while allowing additional time to develop a detailed research topic, therefore providing greater certainty and better completion outcomes in the thesis.

The coursework also allows candidates to take individual subjects in a specific discipline area, thereby providing a deeper level of content from which to draw potential research themes. International students intending to become university researchers and teachers in their home country will benefit from exposure to Australian teaching methods through the inclusion of these 'taught' coursework subjects.

The PhD Integrated is therefore ideal for applicants who aspire to graduate with a PhD and who:

- want a flexible program which includes a selection of 'taught' subjects included in a specific discipline area of their interest;
- need further time and to develop a detailed research proposal; or
- need to develop their research training skills in order to demonstrate their capacity to undertake the major research thesis.

Entry Requirements

Applicants should have a minimum of four years of study at degree level, either a four-year Bachelor degree, or a Bachelor degree plus Masters by Coursework, with a minimum Credit average (65% or GPA 3.0 out of 4.0), or equivalent. In special circumstances, an undergraduate degree plus relevant research related experience.

International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

All applications must be approved by the Head of Postgraduate Studies (HPS) in the appropriate discipline area. Approval depends on the availability of supervision for the proposed thesis topic and each PhD candidate has two supervisors.

PhD candidates will only be accepted if the Faculty can ensure that adequate supervision and facilities for the proposed research are available.

Course Requirements

Students will complete 48 credit points of coursework subjects and a substantial thesis 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.

Continuation to the PhD thesis will be dependent upon successful completion of the coursework component at a WAM of 65.

Coursework requirements will be tailored to the individual students needs. Where appropriate, prior study can be demonstrated, some of the coursework requirement may be relaxed.

Coursework subjects may be chosen from the list below

Core Subjects		**Credit Points**
RESH900	Fundamentals for HDR Writing	6
ENGG940	Dissertation	12
Civil Engineering		
CIVL904	Highway Materials	6
CIVL909	Advanced Foundation Engineering	6
CIVL912	Engineering Hydrology	6
CIVL916	Research Topics in Civil Engineering	6
CIVL980	Advanced Computer Applications	6
CIVL981	Special Topic A	6
ENVE929	Site Contamination and Remediation Technologies	6
Environmental Engineering		
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
ENVE923	Industrial Waste Engineering and Cleaner Production	6
ENVE924	Solid and Hazardous Waste Management	6
ENVE925	Water Quality Engineering and Management	6
ENVE926	Air and Noise Pollution Management	6
ENVE927	Environmental Engineering Processes Design	6
ENVE928	Design or Urban Water Systems	6
ENVE929	Site Contamination and Remediation Technologies	6
ENVE930	Coastal, River and Groundwater Engineering	6
ENVE931	Membrane Processes and Applications	6
MECH979	Sustainable Transport and Engine Technology	6
Materials Engineering		
ENGG909	The Science of Materials	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MATL903	Recent Developments in Materials	6
MATL905	Engineering Alloys	6
MATL906	Ceramic Materials	6
MATL907	Polymeric Materials	6
MATL913	Structural Analysis of Materials	6
MATL952	Corrosion, Wear and Fatigue	6
MATL938	Casting and Forming	6
MATL972	Selection and Design of Materials	6

Mechanical Engineering		
ENGG941	Sustainability for Engineers, Scientists and Professionals	6
ENGG948	Sustainable Energy Technologies	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MECH913	Pneumatic Transport of Bulk Solids	6
MECH918	Sustainable Energy in Buildings	6
MECH919	Advanced Topics in Mechanical Engineering 1	6
MECH928	Finite Element Techniques in Mechanical Engineering	6
MECH934	Advanced Manufacturing Processes	6
MECH935	Integrated Manufacturing Systems	6
MECH949	Advanced Computer Control of Machines and Processes	6
MECH950	Advanced Robotics	6
MECH979	Sustainable Transport and Engine Technology	6
MECH980	Automotive Dynamics	6
Mechatronic Engineering		
ECTE912	DC-Sourced Power Electronics	6
ECTE925	Industrial Drives and Actuators	6
ECTE931	Real-time Computing	6
ECTE941	Intelligent Control	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
MECH935	Integrated Manufacturing Systems	6
MECH939	Advanced Topics in Mechatronic Engineering	6
MECH941	Micro/Nano Robotic Systems	6
MECH949	Advanced Computer Control of Machines and Processes	6
MECH950	Advanced Robotics	6
MECH980	Automotive Dynamics	6
Mining Engineering		
MINE902	Advanced Studies in Mining Engineering	6
MINE903	Simulation of Mining Operations and Problems	6
MINE904	Rock Mechanics	6
MINE905	Environmental Control in Mines	6
MINE906	Mining Engineering Techniques	6
MINE916	Mineral Valuation, Risk Analysis	6
MINE918	Commodity Analysis	6
Medical Radiation Physics		
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
Physics		
PHYS444	Quantum Mechanics	8
PHYS446	Solid State Physics	8
PHYS950	Special Topics in Physics A	8
PHYS990	Applied Physics Project	24

Other subjects may be undertaken with prior approval of supervisors.

Other Information

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/eng/

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/

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering - Research

Testamur Title:	Master of Engineering - Research
Abbreviation:	MEng-Res
Home Faculty:	Faculty of Engineering
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1346
CRICOS Code:	042554G

Overview

The Master of Engineering degree by research is intended for engineers qualified and interested in specific engineering problems. The Master of Engineering – Research is available in the following disciplines: Civil, Environmental, Materials, Mechanical, Mechatronics and Mining.

Entry Requirements/Assumed Knowledge

A relevant degree with Honours Class III or above is required. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

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.

Course Program

The degree comprises a 48 credit point research thesis and 24 credit points of coursework. Coursework comprises the 6 credit point subject ENGG951 Engineering Project Management plus 18 credit points of elective subjects chosen from the relevant Master of Engineering program.

Current Research Areas

For current research areas refer to the PhD program above.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Science - Research

Testamur Title:	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
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1340
CRICOS Code:	042555F

Overview

The Master of Science degree by research equips candidates with superior skills in research design and methodology in preparation for leadership roles in their chosen field. The degree comprises a 48 credit point research thesis and 24 credit points of coursework. Advanced standing for some, or all of the coursework component may be granted on demonstrated research skills.

Entry Requirements/Assumed Knowledge

A degree in Physics, or a Graduate Diploma in Science (Physics) or approved equivalent qualification.

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.

Course Program

Subjects		Credit Points
Core Subjects		
PHYS401	Theoretical Mechanics and Electromagnetism	8
PHYS441	Advanced Astrophysics	4
PHYS444	Quantum Mechanics	8
PHYS446	Solid State Physics	8
PHYS910	Advanced Project in Physics A	6
PHYS946	Advanced Solid State Physics	6
PHYS948	Physics of Imaging	6
PHYS950	Special Topics in Physics A	8
PHYS952	Radiation and Radiotherapy Physics	8
PHYS953	Medical Imaging and Nuclear Medicine	8
PHYS954	Radiobiology and Radiation Protection	8
PHYS960	Advanced Project in Physics B	6
PHYS997	Special Topics in Physics B	6

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Graduate Certificate in Engineering

Testamur Title:	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
Delivery Mode:	On campus (Face-to-face)
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.

Entry Requirements/Assumed Knowledge

A Bachelor of Engineering degree from a recognised tertiary institution. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

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.		

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Graduate Certificate in Engineering Asset Management

Testamur Title:	Graduate Certificate in Engineering Asset Management
Abbreviation:	GCertEngAssetMgmt
Home Faculty:	Faculty of Engineering
Duration:	1 year part-time
Total Credit Points:	24
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 articulate 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.

Entry Requirements/Assumed Knowledge

A Bachelor of Engineering degree from a recognised tertiary institution. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

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**

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Graduate Certificate in Rolling Stock Engineering

Testamur Title:	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
Delivery Mode:	Distance with a one day workshop per subject
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1160
CRICOS Code:	N/A

Overview

The Master of Rolling Stock Engineering is designed for engineers interested in increasing or enhancing their knowledge in rolling stock engineering. The majority of students are employed in the rail industry however a support program is available to students without industry contact. This course has been developed in collaboration with industry and provides a structured approach to learning and development. Students will learn from industry experts and will be provided with invaluable networking opportunities. The delivery method is suited to professionals working full-time and allows students to study at a time that best suits them.

On completion of the Graduate Certificate, students can apply to transfer to the Master of Rolling Stock Engineering.

For more information, please refer to the Rolling Stock website: http://www.uow.edu.au/eng/UOW063707.html

Entry Requirements/Assumed Knowledge

A Bachelor degree in engineering from a recognised tertiary institution. International students require a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6). Applicants without a Bachelor degree in engineering may be considered based on other qualifications together with relevant work experience.

Course Program

This is a 24 credit point program. Students choose to study four out of the following five 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
ENGG928	Rolling Stock Dynamics	6

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Graduate Diploma in Engineering

Testamur Title:	Graduate Diploma in Engineering
Abbreviation:	GDipEng
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	649
CRICOS Code:	009237F

Overview

The Graduate Diploma in Engineering is intended to provide specialised studies in Engineering if studying a different discipline for the first time. This course will allow a basic working knowledge of either, Civil, Mining, Environmental, Mechanical, Mechatronic or Materials Engineering.

Entry Requirements/Assumed Knowledge

A Bachelor of Engineering degree or tertiary qualifications plus exceptional professional engineering work experience may be considered in special circumstances. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

Course Program

Students complete 48 credit points of subjects in their chosen discipline area:

Subjects		Credit Points
Civil Engineering		
Core Subjects		
CIVL311	Structural Design 1	6
CIVL314	Structural Design 2	6
CIVL352	Structures 1	6
CIVL361	Geomechanics 1	6
CIVL454	Structures 2	6
CIVL909	Advanced Foundation Engineering	6
CIVL912	Engineering Hydrology	6
Plus one subject from electives below		
CIVL245	Construction Materials	6
CIVL272	Surveying	6
CIVL394	Construction	6
CIVL444	Civil Engineering Design	6
CIVL904	Highway Materials	6
Environmental Engineering		
ENVE923	Industrial Waste Engineering and Cleaner Production	6
ENVE925	Water Quality Engineering and Management	6
ENVE926	Air and Noise Pollution Management	6
ENVE927	Environmental Engineering Processes Design	6

ENVE928	Design of Urban Water Systems	6
ENVE929	Site Contamination and Remediation Technologies	6
ENGG931	Membrane Processes and Applications	6
ENGG948	Sustainable Energy Technologies	6
Mining Engineering		
MINE422	Mine Planning and Development	6
MINE434	Special Topics in Mining Engineering	6
MINE911	Mining Engineering Techniques	6
MINE912	Environmental Control in Mines	6
MINE916	Mineral Valuation and Risk Analysis	6
MINE920	Advanced Studies in Mining Engineering	6
MINE923	Rock Mechanics	6
MINE933	Advanced Mineral Resource Estimation Methods	6
MINE934	Simulation of Mining Operations and Problems	6
Mechanical Engineering		
ENGG948	Sustainable Energy Technologies	6
MECH928	Finite Element Techniques in Mechanical Engineering	6
MECH934	Advanced Manufacturing Processes	6
MECH979	Sustainable Transport and Engine Technology	6
MECH321	Dynamics of Engineering Systems	6
MECH311	Mechanical Engineering Design	6
MECH365	Control of Machines and Processes	6
MECH431 or	Computational Fluid Dynamics	6
MECH341	Thermodynamics of Engineering Systems	6
Materials Engineering		
Core Subjects		
ENGG909	The Science of Materials	6
MATL905	Metallic Materials	6
MATL906	Ceramic Materials	6
MATL907	Polymeric Materials	6
MATL952	Corrosion, Wear and Fatigue	6
MATL972	Selection and Design of Materials	6
Plus two subjects from electives below		
MATL903	Recent Developments in Materials	6
MATL932	Surface Engineering of Materials	6
MATL937	Process Metallurgy	6
Mechatronic Engineering		
For students with Mechanical Engineering background		
CSCI191	Engineering Programming 1	6
ECTE233	Digital Hardware	6
ECTE301	Digital Signal Processing	6
ECTE202	Circuits and Systems	6
ECTE203	Signals and Systems	6
ECTE323	Power Engineering 2	6
MECH950	Advanced Robotics	6
ECTE212	Electronics	6
For students with Electrical Engineering background		
ENGG251	Mechanics of Solids	6
MECH382	Manufacturing Engineering Principles	6
MECH340	Fluid Dynamics and Heat Transfer for Mechatronics	6
MECH321	Dynamics of Engineering Systems	6
ENGG152	Engineering Mechanics	6
MECH215	Fundamentals of Machine Component Design	6
MECH226	Machine Dynamics	6
MECH311	Mechanical Engineering Design	6
For students with other Engineering background		
Core Subjects		
CSCI191	Engineering Programming 1	6
ECTE233	Digital Hardware	6

MECH321	Dynamics of Engineering Systems	6
MECH382 or	Manufacturing Engineering Principles	6
MECH372	Solids Handling and Process Engineering	6
Plus two MECH and two ECTE subjects from electives below		
MECH215	Fundamentals of Machine Component Design	6
MECH226	Machine Dynamics	6
MECH365	Control of Machines and Processes	6
MECH950	Advanced Robotics	6
ECTE203	Signals and Systems	6
ECTE212	Electronics	6
ECTE323	Power Engineering 2	6
ECTE202	Circuits and Systems	6

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Graduate Diploma in Medical Radiation Physics

Testamur Title:	Graduate Diploma in 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
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Not available for commencement in 2012
Location:	Wollongong
UOW Course Code:	676
CRICOS Code:	N/A

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 Australasian College of Physical Scientists and Engineers in Medicine as leading towards accreditation as a professional medical physicist. The Graduate Diploma is not accredited by Australasian College of Physical Scientists and Engineers in Medicine.

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.

Entry Requirements/Assumed Knowledge

A pass Bachelor degree of at least three years' duration in a relevant discipline. International students require a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

Course Program

Subjects		**Credit Points**
Core Subjects		
PHYS255	Radiation Physics	6
SHS 111	An Introduction Anatomy and Physiology I	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.		

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Graduate Diploma in Science (Physics)

Testamur Title:	Graduate Diploma in Science (Physics)
Abbreviation:	GDipSc
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	683
CRICOS Code:	002363A

Overview

This course is designed to provide:

- a Masters qualifying course for students who have inadequate preparation for direct entry into the Masters by Research program;
- 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;
- an opportunity for international students and students without a full major in Physics to update their knowledge of Physics.

Entry Requirements/Assumed Knowledge

Students must consult the Physics Discipline Adviser for admission to the course. A pass Bachelor degree of at least three years' duration in a relevant discipline. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

Course Program

Forty eight (48) credit points are to be chosen from the following list in consultation with the Physics Discipline Advisor.

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	Differential Equations 2 *	6
MATH283	Advanced Engineering Mathematics and Physics	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
PHYS950	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.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering Asset Management

Testamur Title:	Master of Engineering Asset Management
Abbreviation:	MEngAssetMgmt
Home Faculty:	Faculty of Engineering
Engineering Discipline:	Mechanical Engineering
Duration:	2 years part-time (no full time option)
Total Credit Points:	48
Entry Requirements:	A Bachelor degree in engineering from a recognised tertiary institution. Applicants without a Bachelor degree in engineering may be considered based on other qualifications together with relevant work experience.
Delivery Mode:	Flexible
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1561
CRICOS Code:	N/A

Overview

The objective of the program is to ensure continuous improvement in the strategic and tactical response of organisations and their managers to the management of infrastructure assets. This course provides the knowledge to organise and manage engineered asset costs effectively. From a strategic framework, students progressively address problems in designing and managing assets, and learn concepts and techniques by evaluating potential solutions to challenges faced by organisations. A number of delivery formats can be made available to suit a range of needs. This course has been developed in collaboration with industry and is delivered by leading academics, ensuring the content is relevant and up-to-date.

For more information, please refer to the Engineering Asset Management website: **http://www.uow.edu.au/eng/UOW063708.html**

Course Program

This is a 48 credit point program. The core program comprises six 6 credit point subjects. The remaining 12 credit points can be either two 6 credit point elective subjects from the list below or one 12 credit point dissertation.

Subjects		**Credit Points**
Core Subjects		
ENGG953	Modelling of Engineering Management Systems	6
ENGG956	Financial Management for Engineered Assets	6
ENGG957	Project Implementation and Outsourcing	6
ENGG958	Life-Cycle and Risk Management	6
ENGG960	Maintenance Requirements Analysis	6
ENGG961	Systems Reliability Engineering	6
Elective Subjects		
ENGG944	Infrastructure Decision Support	6
ENGG959	Asset Management System Design	6
TBS 903	Managing People in Organisations	6
Or		
ENGG940	Dissertation	12

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering

Testamur Title:	Master of Engineering (Major)
Abbreviation:	MEng
Home Faculty:	Faculty of Engineering
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	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.

Entry Requirements

Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

Majors

- Civil Engineering
- Environmental Engineering
- Materials Engineering
- Mechanical Engineering
- Mining Engineering
- Mechatronics

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering (Civil Engineering)

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.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering (Environmental Engineering)

Overview

The Master of Engineering allows students to combine specialist postgraduate subjects, according to their undergraduate background, with project work. The program comprises a 24 credit point dissertation and at least 24 credit points of coursework. The dissertation typically requires rigorous research in a specialised area – normally in the area of coursework components undertaken.

Course Program

Subjects		Credit Points
Core Subject		
ENGG945	Dissertation	24
Elective Subjects		
Four 6 credit point 900 level subjects to be agreed with the Head of School of Civil, Mining and Environmental Engineering (or delegated Discipline Advisor), taken primarily from subjects in the School of Civil, Mining and Environmental Engineering and/or ENGG subjects.		

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

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering (Materials Engineering)

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.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering (Mechanical Engineering)

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.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering (Mining Engineering)

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.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering (Mechatronics)

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.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering Management

Testamur Title:	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 (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1506
CRICOS Code:	051350M

Overview

The Master of Engineering Management is aimed at Engineers who see their careers progressing into management. The course provides them with a very strong grounding in current 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. Graduates will be equipped to advance their careers into senior managerial positions.

This is a 48 credit point program. The core program comprises five 6 credit point subjects. The remaining 18 credit points can be selected from the elective subjects listed below.

Course Program

Subjects		Credit Points
Core Subjects		
ENGG950	Innovation and Design	6
ENGG951	Engineering Project Management	6
ENGG953	Modelling of Engineering Management Systems	6
ENGG954	Strategic Management for Engineers and Technologists	6
ENGG956	Financial Management for Engineered Assets	6
Elective Subjects		
ENGG937	Special Topic in Engineering Management	6
ENGG941	Sustainability for Engineers, Scientists and Professionals	6
ENGG944	Infrastructure Decision Support	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.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Engineering Practice

Testamur Title:	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
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	590
CRICOS Code:	020204M

Overview

The Master of Engineering Practice has been designed to meet the needs of engineering leaders of the future. This program allows practicing engineers to build on, update and acquire additional knowledge in areas not covered in their first degree.

This is a 48 credit point program. The core program comprises four, 6 credit point subjects. The remaining 24 credit points can be selected from the Engineering Postgraduate subject list. Students may elect to choose a major by successfully completing one of the elective groups outlined below. Majors available are: Asset Management, Civil Engineering, Engineering Logistics, Environmental Engineering, Manufacturing Engineering, Materials Engineering, Mechanical Engineering, Mechatronic Engineering and Mining Engineering.

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.

Entry Requirements/Assumed Knowledge

A four year Bachelor of Engineering degree is required for entry to this degree. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

Course Program

Subjects		**Credit Points**	
Core Subjects			
ENGG950	Innovation and Design	6	Autumn
ENGG951	Engineering Project Management	6	Spring
ENGG952	Engineering Computing	6	Spring
or			
ENGG953	Modelling of Engineering Management Systems	6	Spring
ENGG954	Strategic Management for Engineers and Technologists	6	Autumn
Elective Subjects – Asset Management			
ENGG941	Sustainability for Engineers, Scientists and Professionals	6	Autumn
ENGG944	Infrastructure Decision Support	6	Spring
ENGG953	Modelling of Engineering Management Systems	6	Spring
ENGG956	Financial Management for Engineered Assets	6	Spring
ENGG957	Project Implementation and Outsourcing	6	Autumn
ENGG958	Life-Cycle and Risk Management	6	Not offered 2012
ENGG960	Maintenance Requirements Analysis	6	Autumn
ENGG961	Systems Reliability Engineering	6	Autumn
Plus one of			
ENGG946	Energy Efficiency and Energy Auditing in Built Environment	6	Autumn
ENGG947	Advanced Building Design for Energy Efficiency and Sustainability	6	Spring
ENGG962	Energy Effieciency in Manufacturing and Process Industries	6	Spring
ENGG977	Ocean Engineering	6	Autumn

Elective Subjects – Civil Engineering			
CIVL904	Highway Materials	6	Spring
CIVL909	Advanced Foundation Engineering	6	Autumn
CIVL912	Engineering Hydrology	6	Autumn
CIVL916	Research Topics in Civil Engineering	6	Autumn/Spring
CIVL926	Advanced Design of Masonry Structures	6	Autumn
CIVL980	Advanced Computer Applications	6	Autumn
CIVL981	Special Topic A	6	Autumn
ENGG941	Sustainability for Engineers, Scientists and Professionals	6	Autumn
ENGG944	Infrastructure Decision Support	6	Spring
ENVE929	Site Contamination and Remediation Technologies	6	Spring
Elective Subjects – Engineering Logistics			
ENGG939	Engineering Logistics	6	Autumn
TBS 908	Supply Chain Management	6	
Plus one of			
TBS 918	Strategic Supply Chain Management	6	
TBS 928	Logistic Systems	6	
ISIT910	IT-Enabled Supply Chain Management	6	
Plus one of			
ENGG909	The Science of Materials	6	Spring
ENGG937	Special Topic in Engineering Management	6	Spring
ENGG941	Sustainability for Engineers, Scientists and Professionals	6	Autumn
ENGG944	Infrastructure Decision Support	6	Spring
ENGG946	Energy Efficiency and Energy Auditing in Built Environment	6	Autumn
ENGG947	Advanced Building Design for Energy Efficiency and Sustainability	6	Spring
ENGG956	Financial Management for Engineered Assets	6	Spring
ENGG957	Project Implementation and Outsourcing	6	Autumn
ENGG958	Life Cycle and Risk Management	6	Not offered 2012
ENGG962	Energy Efficiency in Manufacturing and Process Industries	6	Spring
TBS933	Procurement and Inventory Management	6	
Elective Subjects – Environmental Engineering			
ENGG941	Sustainability for Engineers, Scientists and Professionals	6	Autumn
ENVE923	Industrial Waste Engineering and Cleaner Production	6	Autumn
ENVE924	Solid and Hazardous Waste Management	6	Not offered 2012
ENVE925	Water Quality Engineering and Management	6	Spring
ENVE926	Air and Noise Pollution Management	6	Spring
ENVE927	Environmental Engineering Processes Design	6	Spring
ENVE928	Design of Urban Water Systems	6	Spring
ENVE929	Site Contamination and Remediation Technologies	6	Spring
ENVE930	Coastal, River and Groundwater Engineering	6	Not offered 2012
ENVE931	Membrane Processes and Applications	6	Autumn
Plus one of			
ENGG946	Energy Efficiency and Energy Auditing in Built Environment	6	Autumn
ENGG947	Advanced Building Design for Energy Efficiency and Sustainability	6	Spring
ENGG962	Energy Efficiency in Manufacturing and Process Industries	6	Spring
Elective Subjects – Manufacturing Engineering			
ENGG909	The Science of Materials	6	Spring
ENGG937	Special Topic in Engineering Management	6	Spring
ENGG941	Sustainability for Engineers, Scientists and Professionals	6	Autumn
ENGG953	Modelling of Engineering Management Systems	6	Spring
ENGG956	Financial Management for Engineered Assets	6	Spring
MECH934	Advanced Manufacturing Processes	6	Autumn
MECH935	Integrated Manufacturing Systems	6	Spring
MECH949	Advanced Computer Control of Machines and Processes	6	Not offered 2012

MECH950	Advanced Robotics	6	Spring
TBS 908	Supply Chain Management	6	
TBS 926	Manufacturing Management	6	
Plus one of			
ENGG946	Energy Efficiency and Energy Auditing in Built Environment	6	Autumn
ENGG962	Energy Effieciency in Manufacturing and Process Industries	6	Spring
Elective Subjects – Materials Engineering			
ENGG909	The Science of Materials	6	Spring
ENGG941	Sustainability for Engineers, Scientists and Professionals	6	Autumn
MATL903	Recent Developments in Materials	6	Autumn
MATL905	Metallic Materials	6	Autumn
MATL906	Ceramic Materials	6	Spring
MATL907	Polymeric Materials	6	Spring
MATL913	Structural Analysis of Materials	6	Not offered 2012
MATL937	Process Metallurgy	6	Spring
MATL938	Casting and Forming	6	Autumn
MATL952	Corrosion, Wear and Fatique	6	Autumn
MATL972	Selection and Design of Materials	6	Spring
Elective Subjects – Mechanical Engineering			
ENGG909	The Science of Materials	6	Spring
ENGG941	Sustainable for Engineers, Scientists and Professionals	6	Autumn
ENGG944	Infrastructure Decision Support	6	Spring
ENGG946	Energy Efficiency and Energy Auditing in Built Environment	6	Autumn
ENGG947	Advanced Building Design for Energy Efficiency and Sustainability	6	Spring
ENGG948	Sustainable Energy Technologies	6	Spring
ENGG962	Energy Effieciency in Manufacturing and Process Industries	6	Spring
ENGG977	Ocean Engineering	6	Autumn
MECH913	Pneumatic Transport of Bulk Solids	6	Not offered 2012
MECH918	Sustainable Energy in Buildings	6	Not offered 2012
MECH919	Advanced Topics in Mechanical Engineering 1	6	Autumn/Spring
MECH928	Finite Element Techniques in Mechanical Engineering	6	Autumn
MECH934	Advanced Manufacturing Processes	6	Autumn
MECH935	Integrated Manufacturing Systems	6	Spring
MECH949	Advanced Computer Control of Machines and Processes	6	Not offered 2012
MECH950	Advanced Robotics	6	Spring
MECH970	Advanced Applied Topics in Mechatronics	6	Spring
MECH979	Sustainable Transport and Engine Technology	6	Spring
MECH980	Automotive Dynamics	6	Not offered 2012
Elective Subjects – Mechatronic Engineering			
ECTE912	Power Electronics and Drives	6	Autumn
ECTE926	Power Distribution Systems	6	Spring
ECTE931	Real-time Computing	6	Autumn
ECTE941	Intelligent Control	6	Autumn
ECTE944	Identification and Optimal Control	6	Spring
ENGG909	The Science of Materials	6	Spring
ENGG941	Sustainable for Engineers, Scientists and Professionals	6	Autumn
ENGG953	Modelling of Engineering Management Systems	6	Spring
ENGG956	Financial Management for Engineered Assets	6	Spring
MECH935	Integrated Manufacturing Systems	6	Spring
MECH939	Advanced Topics in Mechatronic Engineering	6	Autumn/Spring
MECH941	Micro/Nano Robotic Systems	6	Autumn
MECH949	Advanced Computer Control of Machines and Processes	6	Not offered 2012
MECH950	Advanced Robotics	6	Spring

MECH980	Automotive Dynamics	6	Not offered 2012
Elective Subjects – Mining Engineering			
MINE911	Mining Engineering Techniques	6	Autumn
MINE912	Environmental Control in Mines	6	Autumn
MINE916	Mineral Valuation, Risk Analysis	6	Spring
MINE920	Advanced Studies in Mining Engineering	6	Spring
MINE923	Rock Mechanics	6	Spring
MINE933	Advanced Mineral Resource Estimation Methods	6	Not offered 2012
MINE934	Simulation of Mining Operations and Problems	6	Autumn

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

Subjects may require prior knowledge. Students MUST consult with the Schools and Subject Coordinators concerned and obtain agreement prior to enrolment.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Medical Radiation Physics

Testamur Title:	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
Delivery Mode:	On campus (Face-to-face)
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. Some content is delivered off campus at collaborating hospitals.

Entry Requirements/Assumed Knowledge

Completion of Bachelor of Science or equivalent with Physics as a major study. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

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
SHS 111	An Introduction to Human Anatomy and Physiology I	6

Student Income Support

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

The Master of Medical Radiation Physics has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

Master of Professional Engineering

Testamur Title:	Master of Professional Engineering
Abbreviation:	MPE
Home Faculty:	Faculty of Engineering
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1605
CRICOS Code:	067079A

Overview

The Master of Professional Engineering is designed to provide graduates with practical professional practice, advanced technical skills, organisational and management skills and the opportunity for industrial experience or research.

Students will gain knowledge in a variety of areas, such as Australian professional engineering practice, sustainability, environmental economics and occupational health and safety. Students will also gain skills in innovative thinking and problem solving techniques; ability to manage engineering projects; sound knowledge of state-of-the-art engineering computing and IT applications; appreciation of financial management systems. Graduates will have the potential to take up responsible middle management roles in engineering in Australia and elsewhere.

The study program consists of three requirements:

- Core Professional Development (42 credit points)
- Professional Options (18 credit points)
- Major – Technical Enhancement (36 credit points)

Students enrol in 24 credit points per session and can take any combination of subjects from the requirements above (subject to timetable availability). It is the student's responsibility to ensure that they have completed the subjects required by the end of four session of study.

Entry Requirements/Assumed Knowledge

Students require a Bachelor of Engineering degree (minimum duration 4 years) for entry into this degree. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

Course Program

Subjects		**Credit Points**	
Core Subjects			
ENGG941	Sustainability for Engineers, Scientists and Professionals	6	Autumn
ENGG942	Professional Practice	12	Annual
ENGG950	Innovation and Design	6	Autumn
ENGG951	Engineering Project Management	6	Spring
ENGG952	Engineering Computing	6	Spring
ENGG954	Strategic Management for Engineers and Technologists	6	Autumn
Professional Options			
18 cps from the following			
ENGG943	Engineering Professional Placement*	6	
ENGG940	Research Dissertation #	12	Annual
ENGG956	Financial management for Engineering Assets	6	Spring
ENGG944	Infrastructure Decision Support	6	Spring
ENGG909	The Science of Materials	6	Spring
Up to 18 cps of subjects from the Master of Engineering Management			
Major – 36 credit points from one of the following majors			
Asset Management			
ENGG944	Infrastructure Decision Support	6	Spring
ENGG953	Modelling of Engineering Management Systems	6	Spring
ENGG956	Financial Management for Engineered Assets	6	Spring
ENGG957	Project Implementation and Outsourcing	6	Autumn

ENGG958	Life-Cycle and Risk Management	6	Not offered 2012
ENGG960	Maintenance Requirements Analysis	6	Autumn
ENGG961	Systems Reliability Engineering	6	Autumn
Civil Engineering			
CIVL904	Highway Materials	6	Spring
CIVL909	Advanced Foundation Engineering	6	Autumn
CIVL912	Engineering Hydrology	6	Autumn
CIVL916	Research Topics in Civil Engineering	6	Autumn/Spring
CIVL926	Advanced Design of Masonry Structures	6	Autumn
CIVL980	Advanced Computer Applications	6	Autumn
CIVL981	Special Topic A	6	Autumn
ENVE929	Site Contamination and Remediation Technologies	6	Spring
ENGG956	Financial Management for Engineered Assets	6	Spring
Environmental Engineering			
ENGG941	Sustainability for Engineers, Scientists and Professionals	6	Autumn
ENVE923	Industrial Waste Engineering and Cleaner Production	6	Autumn
ENVE924	Solid and Hazardous Waste Management	6	Not offered 2012
ENVE925	Water Quality Engineering and Management	6	Spring
ENVE926	Air and Noise Pollution Management	6	Spring
ENVE927	Environmental Engineering Processes Design	6	Spring
ENVE928	Design or Urban Water Systems	6	Spring
ENVE929	Site Contamination and Remediation Technologies	6	Spring
ENVE930	Coastal, River and Groundwater Engineering	6	Not offered 2012
ENVE931	Membrane Processes and Applications	6	Autumn
Plus one of			
ENGG946	Energy Efficiency and Energy Auditing in Built Environment	6	Autumn
ENGG947	Advanced Building Design for Energy Efficiency and Sustainability	6	Spring
ENGG962	Energy Efficiency in Manufacturing and Process Industries	6	Spring
Materials Engineering			
ENGG909	The Science of Materials	6	Spring
MATL903	Recent Developments in Materials	6	Autumn
MATL905	Engineering Alloys	6	Autumn
MATL906	Ceramic Materials	6	Spring
MATL907	Polymeric Materials	6	Spring
MATL913	Structural Analysis of Materials	6	Not offered 2012
MATL937	Process Metallurgy	6	Spring
MATL952	Corrosion, Wear and Fatigue	6	Autumn
MATL938	Casting and Forming	6	Autumn
MATL972	Selection and Design of Materials	6	Spring
Mechanical Engineering			
ENGG909	The Science of Materials	6	Spring
ENGG946	Energy Efficiency and Energy Auditing in Built Environment	6	Autumn
ENGG947	Advanced Building Design for Energy Efficiency and Sustainability	6	Spring
ENGG948	Sustainable Energy Technologies	6	Spring
ENGG962	Energy Efficiency in Manufacturing and Process Industries	6	Spring
ENGG977	Ocean Engineering	6	Autumn
MECH913	Pneumatic Transport of Bulk Solids	6	Not offered 2012
MECH918	Sustainable Energy in Buildings	6	Not offered 2012
MECH919	Advanced Topics in Mechanical Engineering 1	6	Autumn/Spring
MECH928	Finite Element Techniques in Mechanical Engineering	6	Autumn
MECH934	Advanced Manufacturing Processes	6	Autumn
MECH935	Integrated Manufacturing Systems	6	Spring

MECH949	Advanced Computer Control of Machines and Processes	6	Not offered 2012
MECH950	Advanced Robotics	6	Spring
MECH970	Advanced Applied Topics in Mechatronics	6	Spring
MECH979	Sustainable Transport and Engine Technology	6	Spring
MECH980	Automotive Dynamics	6	Not offered 2012
Mechatronic Engineering			
ECTE912	DC-Sourced Power Electronics	6	Autumn
ECTE926	Power Distribution Systems	6	Spring
ECTE931	Real-time Computing	6	Autumn
ECTE941	Intelligent Control	6	Autumn
ECTE944	Identification and Optional Control	6	Spring
MECH935	Integrated Manufacturing Systems	6	Spring
MECH939	Advanced Topics in Mechatronic Engineering	6	Autumn/Spring
MECH941	Micro/Nano Robotic Systems	6	Autumn
MECH949	Advanced Computer Control of Machines and Processes	6	Not offered 2012
MECH950	Advanced Robotics	6	Spring
MECH970	Advanced Applied Topics in Mechatronics	6	Spring
MECH980	Automotive Dynamics	6	Not offered 2012
Plus one of			
ENGG946	Energy Efficiency and Energy Auditing in Built Environment	6	Autumn
ENGG947	Advanced Building Design for Energy Efficiency and Sustainability	6	Spring
ENGG962	Energy Efficiency in Manufacturing and Process Industries	6	Spring
Mining Engineering			
MINE911	Mining Engineering Techniques	6	Autumn
MINE912	Environmental Control in Mines	6	Autumn
MINE916	Mineral Valuation, Risk Analysis	6	Spring
MINE920	Advanced Studies in Mining Engineering	6	Spring
MINE923	Rock Mechanics	6	Spring
MINE933	Advanced Mineral Resource Estimation Methods	6	Not offered 2012
MINE934	Simulation of Mining Operations and Problems	6	Autumn

* Students must qualify to enrol in Engineering Professional Placement, please see the Course Coordinator.

Students must have 65 WAM to qualify for enrolment into ENGG940, please see the Course Coordinator.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Rolling Stock Engineering

Testamur Title:	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
Delivery Mode:	Self-directed learning
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1573

Overview

The Master of Rolling Stock Engineering is designed for engineers wanting to develop their knowledge in rolling stock engineering. The majority of students are employed in the rail industry however a support program is available to students without industry contact. This course has been developed in collaboration with industry and provides a structured approach to learning and development. Students will learn from industry experts and will be provided with invaluable networking opportunities. The delivery method is suited to professionals working full-time and allows

students to study at a time that best suits them.

For more information, please refer to the Rolling Stock website: http://www.uow.edu.au/eng/UOW063707.html

Entry Requirements/Assumed Knowledge

A Bachelor degree in engineering from a recognised tertiary institution. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6). Applicants without a Bachelor degree in engineering may be considered based on other qualifications together with relevant work experience.

Course Program

Subjects		Credit Points
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
ENGG928	Rolling stock dynamics and bogies	6
ENGG929	Rolling stock construction maintenance and design	6
ENGG940	Dissertation (in rolling stock engineering) equivalent to two subjects	12

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

Master of Science (Medical Radiation Physics)

Testamur Title:	Master of Science (Medical Radiation Physics)
Abbreviation:	MSc(MedRadPhys)
Home Faculty:	Faculty of Engineering
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1603
CRICOS Code:	067176M

Overview

The Master of Science (Medical Radiation Physics) is a program for graduates with a minimal physics background who wish to work in public health and related areas, who have a need for current knowledge and technical expertise in Medical Radiation Physics. Some content is delivered off campus at collaborating hospitals.

Entry Requirements/Assumed Knowledge

The completion of Bachelor of Science or equivalent is required for entry to this course. International students are required to have a minimum overall IELTS score of 6 (Reading: 6 Writing: 6 Speaking: 6 Listening: 6).

Course Program

An applied research project under the supervision of professional medical physicists is selected from one of the current research fields:

- Nuclear Medicine
- Medical Imaging
- Instrumentation and Imaging Physics
- Radiation Protection
- Diagnostic Radiology
- Radiotherapy
- Radiobiology

In addition to the research project, the program also comprises twelve coursework subjects:

Subjects		Credit Points
1st Year		
MATH201	Multivariate and Vector Calculus	6
PHYS205	Advanced Modern Physics	6
PHYS952	Radiation and Radiotherapy Physics	8
SHS 111	An Introduction to Human Anatomy and Physiology 1	6
MATH202	Applied Differential Equations	6
PHYS225	Electromagnetism and Optoelectronics	6
PHYS255	Radiation Physics	6
PHYS375	Nuclear Physics	6
2nd Year		
PHYS305	Quantum Mechanics	6
PHYS325	Electromagnetism	6
PHYS954	Radiobiology and Radiation Protection	8
PHYS953	Medical Imaging and Nuclear Medicine	8
PHYS951	Medical Physics Research Project	18

Student Income Support

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

The Master of Science (Medical Radiation Physics) has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Engineering - engineering@uow.edu.au

FACULTY OF ENGINEERING

CIVL899 Advanced Topics in Engineering
Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisite: 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
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Mix design theories; design of high performance and lightweight concrete, elastic behaviour; strength, creep, shrinkage; concreting operations; durability; significance of tests and properties of constituent materials; analysis of results; non-destructive tests; special concrete applications.

CIVL904 Highway Materials
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will concentrate on software packages which are designed for application to a wide range of structural types, both two and three dimensional, including trusses, frames, plates and shells. Any combination of these components may be used with a variety of analysis and design procedures including linear elastic analysis, nonlinear optimization, steel frame member design, and design and checking of reinforced concrete building frames including beams, columns, slabs, steel quantity and location, material take-off etc.

CIVL908 Advanced Soil Mechanics
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Variational principles; element shape functions, 'displacement' and 'stress' formulations, curved and isoparametric elements; computer programming techniques; analysis of plates, shells and axisymmetric structures; analysis of slab- and box-type bridge superstructures.

CIVL912 Engineering Hydrology
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Uniform flow in rivers and flood plains; open channel roughness and flow resistance; non-uniform open channel flow; backwater curve computation; unsteady open channel flow. Flood wave routing; hydraulics of spillways; hydraulics of bridges and culverts; retarding basin hydraulics; urban stormwater drainage design; sediment transport in open channel flow.

CIVL923 Advanced Reinforced Concrete
Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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.

CIVL926 Advanced Design of Masonry Structures
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: CIVL981
Subject Description: Focuses particularly on the design of masonry in buildings, although masonry can form part of civil infrastructure. The behaviour of masonry as a material of construction will be developed. It will provided students with the opportunity to develop a technical understanding of masonry, especially its material properties, structural design and construction principles and to a limited extent, the non-structrual detailing in the context of the practices in Australia.

CIVL980 Advanced Computer Applications
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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
Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Specialist topic in civil engineering offered by members of staff, professional engineers or visitors to the Faculty.

CIVL982 Special Topic B
Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Specialist topic in civil engineering offered by members of staff, professional engineers or visitors to the School.

ENGG909 The Science of Materials
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Students will learn the fundamentals of crystallography, chemical thermodynamics and kinetics that are required to understand the relationships between the processing, structures and properties of engineering materials. Case studies and worked examples will be used to develop an understanding of how this knowledge is applied to chemical reactions, phase transformations and microstructural development in metals, polymers and ceramics. Laboratory classes will be used to give practical experience with properties measurement and analysis. Successful completion of this subject will allow students to enrol in other MATL subjects in the Materials Engineering specialisation.

ENGG923 Advanced Digital Sound and Imaging Techniques
Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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

Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Introduce students to the application of engineering principles and techniques to rolling stock design and guide them in the application of codes of practice and standards governing rolling stock design, operation and asset management. It builds on the broad body of knowledge obtained from the Graduate Certificate in Rolling Stock Engineering. Wheel-rail interface and resulting dynamic forces applied to bogies, wind loadings on vehicles, forces arising from abnormal conditions, modes of vibration, control of longitudinal dynamics, control of lateral dynamics, control of vertical dynamics, suspension design, stability of wagons, passenger cars, locomotives and trains.

ENGG929 Rolling stock construction maintenance and design

Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Capstone subject bringing together the various factors influencing rolling stock design into a coherent process of engineering application. Integration of factors governing rolling stock design including safety, dynamic performance, structural integrity, environmental and social impact, crashworthiness. Rolling stock types and configurations, rolling stock construction methods and techniques, couplers and draft gear, air and water piping, electrical cabling, internal fit out, auxiliary systems, passenger car door mechanisms, wagon loading and unloading design. Maintenance strategies, rolling stock maintenance techniques, rolling stock maintenance facilities, life-cycle considerations in design.

ENGG937 Special Topic in Engineering Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: The dissertation is a project allowing you to pursue a particular area in depth and solve a specific practical engineering problem. Students complete a dissertation in their area of interest. The dissertation develops skills in information retrieval, project planning and organisation, analysis, problem solving and effective communication of results. Involves the undertaking of an individual supervised project focused on solving a problem relevant to the discipline area of the degree. The student would normally be required to do a literature survey, analysis, and develop suitable solutions to the selected problem. This will allow the students to apply the knowledge and skills acquired in the structured coursework and thus gain valuable confidence in their ability to practice engineering at a high professional standard. Two bound copies of the final report must be submitted for assessment, together with an electronic version.

ENGG941 Sustainability for Engineers, Scientists and Professionals

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to provide skills and understanding to incorporate sustainable development principles and practices into everyday decision making and planning processes. It provides an overview of the major sustainable development issues facing professionals such as engineers, scientists, economists, when they make choices as to particular products, processes and systems to adopt in their workplaces.

ENGG942 Professional Practice

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to provide the Professional Practice outcomes of the Master of Professional Engineering, ensuring students are equipped with intercultural skills, cultural awareness and communication skills needed to best apply their engineering knowledge. Provides understanding of Occupational Health and Safety requirements of Australian industry. Also facilitates students accessing the Australian workforce either through work experience or part time employment, enabling them to apply discipline specific knowledge to practical workplace settings.

ENGG943 Engineering Professional Placement

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: ENGG942 Professional Practice
Co-requisite: None
Subject Description: This subject will provide an academic framework for students' industrial practice placements or experience and will consist of a study of what has been achieved in the placement, how it was achieved and how the roles of the professional(s) involved could improve outcomes for the engineering entity involved. There will be particular emphasis on professional roles within the engineering supply chain. Students' abilities to be successful when applying for professional status will be enhanced through this subject and other elements of the Master of Professional Engineering.

ENGG944 Infrastructure Decision Support

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to give student a deep and practical understanding of the principles

and practice of Infrastructure Decision Support (IDS). It provides useful skills and tools that will help in day-to-day activities as professionals to ensure that key decisions are made so as to incorporate holistic infrastructure constraints. It includes topics such as: an overview of what is meant by IDS and how the concept has developed; overview of global and local issues driving the decision support imperative (business downsizing, emerging technologies, public accountability, whole-of-life feasibility etc); a systems approach to design and asset management; design for holistic constraint satisfaction; group DSS construction, verification and validation.

ENGG945 Dissertation

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisite: 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.

ENGG946 Energy Efficiency and Energy Auditing in the Built Environment

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will cover a range of topics involved in the maximisation of energy efficiency in the built environment including: legislative frameworks for energy efficiency and energy euditing in Australia; international and national energy rating schemes; life cycle energy analysis of buildings; energy audit methods; energy-saving measurement and verification (M&V) for lighting, HVAC, chiller and renewable energy systems; and impact of human factors on energy savings. Industrial case studies will be used to illustrate these concepts. Students will also use modelling and simulation tools to undertake building energy performance analysis.

ENGG947 Advanced Building Design for Energy Efficiency and Sustainability

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will cover a range of topics including: performance-based design and passive design principles; fundamental methodologies used in the analysis of energy efficiency in buildings; emerging technologies to improve energy efficiency; human factors that influence building sustainability performance; zero-emission technologies and possible transition pathways. Case studies will be used to illustrate these concepts. Students will also be asked to use modelling tools to undertake building performance analysis.

ENGG948 Sustainable Energy Technologies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject covers a number of Sustainable Energy Technologies including the following: solar thermal systems; photovoltaics; wind energy; hydroelectricity generation; wave power systems; biomass; remote area power supplies; energy conservation/auditing. The environmental and social impact of these technologies as compared to conventional energy sources will be considered. Students will undertake a laboratory/field experiment or project, and/or carry out a case study.

ENGG950 Innovation and Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: Topics will cover: Scope Management, Time Management, Human Resource Management, Risk Management, Financial Management, Project Plans, Project Quality Management and Procurement & Contract Management.

ENGG952 Engineering Computing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 Sydney On Campus

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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The overall objective is to develop a structured approach to research in engineering. The focus is on the development of skills in framing a research problem, developing a research design, design of data collection analysis and interpretation frameworks. Literature research skills will be developed. An understanding of the selection and use of measurement sensors and engineering data collection and analysis tools will also be developed. Hands on experience in an engineering laboratory will be a feature. Ethical issues in research will be reviewed. Students will work on a selected project to develop a properly structured research proposal, including a research plan. The plan is to be presented orally and in written form.

ENGG956 Financial Management for Engineered Assets

Spring Sydney On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 Sydney On Campus
Autumn Wollongong On Campus
Spring Sydney On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Replaces MECH976
Subject Description: Topics that may be covered include: human aspects of asset management and reliability; ergonomics; work measurement, methods engineering and activity sampling applied to asset management activities; estimation of task time; facilities layout. Planning for shutdowns and overhauls; inventory selection and inventory control systems, configuration management, warehouse control, evaluation of asset management performance.

ENGG960 Maintenance Requirement Analysis

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

Co-requisite: 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.

ENGG962 Energy Efficiency in Manufacturing and Process Industries

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Students will: gain an understanding of energy efficiency enhancements methods and strategies widely used in manufacturing and process industries; learn how to carry out energy audits and energy-saving measurement and verification for industrial processes; learn how to evaluate energy efficiency improvements through modelling and simulations. Students will also cover energy efficiency improvements in a number of specific industries such as: iron & steel; mining; and food & drink, through well prepared case studies. Students will be asked to use simulation tools, such as TRNSYS, Matlab Simulink, etc., for modelling and analysis of industrial energy efficiency improvements.

ENGG963 Industry Practice for Professional Engineers

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: 1. Developing Intercultural communication skills, with emphasis on small team work; 2. Enhancing practical knowledge and theoretical concepts of Australian workplace culture and practices, e.g. occupational health and safety; 3. Developing cultural appreciation and communication skills required in an Australian workplace context; 4. Providing the opportunity for students to apply their discipline knowledge in practical workplace settings via work place exposure and analysis. 5. Developing a strategic career plan. 6. Developing a credible application for membership of Engineers Australia.

ENGG977 Ocean Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Ocean Engineering is a branch of engineering that deals with the design, installation, operation and maintenance of equipment and techniques for the sustainable utilisation of ocean resources. These resources include offshore oil and gas and ocean renewable energy. This subject serves as an introduction to various commonly encounted offshore structures and the ocean environment. Mathematical modelling of the wave environment is covered as are techniques for determining the short and long term environmental loads on structures. The subject also examines the dynamics of both fixed and floating offshore sturctures.

ENVE899 Advanced Topics in Environmental Engineering

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisite: None
Subject Description: One or more advanced topics taken from the following: sustainable development; climate change adaptation and mitigation; water quality and treatment; membrane processes; water recycling; integrated water resource management; ecological engineering; environmental hydraulics; cleaner production and pollution control; sediment transport; site remediation; waste management; environmental impact assessment; environmental modelling processes; environmental geotechnology; ground and mine-water.

ENVE901 Project

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Topics will be selected from the areas of environmental engineering in which staff members are engaged in research.

ENVE923 Industrial Waste Engineering and Cleaner Production

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Issues covered include industrial waste minimisation and treatment, industrial processes and control techniques. Waste auditing of an industry will be illustrated using a case study. This subject addresses the issues of pollution prevention and sustainable industrial waste management. The subject focuses on preventative approaches to eliminate or minimize the generation of harmful industrial waste by introducing a range of pollution prevention concepts and management practices including Environmental Management System (EMS), ISO 14001 certificate, Environmental auditing, Life Cycle Assessment (LCA), and user paid waste management system. Topics relevant to source identification, characterisation, segregation, treatment and disposal of industrial waste will also be systematically covered.

ENVE925 Water Quality Engineering and Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The subject is designed to introduce environmental engineering concepts at a fundamental level that leads to sustainable development. Topics

include integrated water cycle management, concepts of ecological engineering and impacts of climate change. The environmental problems and solutions relating to natural resources, ecological systems, water pollution, water quality processes in rivers and lakes, water supply and treatment processes, wastewater collection, treatment and re-use, water quality guidelines and other global environmental issues will be discussed. The lecture components will be complemented with tutorials, field trip and laboratory classes.

ENVE926 Air and Noise Pollution Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Air pollution incorporating engineering design - meteorology; atmospheric chemistry; air quality; sources of air pollution; effects of air pollution; dispersion modelling; control of air pollution. Noise pollution - noise pollution legislation; sound power and intensity levels; noise from several sources; background noise effects; defining and measuring noise; weighting factors and equivalent noise levels; effect of noise on people; propagation of sound; noise control at source, during propagation and at receiver; design of noise barriers.

ENVE927 Environmental Engineering Processes Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ENVE925 Water Quality Engineering and Management
Co-requisite: 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-requisite: None
Subject Description: The ability to undertake a comprehensive integrated project design is the capstone of a student's engineering education. This subject will provide students with the opportunity to undertake the design of a major project. Students will be provided with an overall concept plus specific requirements that must be met by the design. All aspects of environmental engineering will be involved, including river basin management, stormwater development, interactions of seawater, surface water and groundwater, separation of clean water from seawater and wastewater and long-term effects of infrastructure on the ecosystem. Impact assessment, legislation, and modelling. Topic areas that have not been presented in previous subjects, but are required for the successful completion of the project, will be covered during the lecture portion of the class. Lecture topics will include environmental impact assessment and legislation, and environmental modelling.

ENVE929 Site Contamination and Remediation Technologies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject introduces fundamentals of site remediation and will include topics such as site characterisation, containment, soil erosion and remediation technologies. Remediation technologies such as bioremediation and phytoremediation, biodegradation, permeable barriers and soil vapour extraction will be presented in detail. Containment topics will include cover systems, reactive barriers, vertical barriers and geosynthetics. Topics such as remediation of soft and compressible ground, and acid sulphate soils will also be presented.

ENVE930 Coastal, River and Groundwater Engineering

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Coastal Engineeering - wave forecasting; wave refraction; diffraction and breaking; wave forces on structures; beach erosion and beach protection. Water Resources - the hydrologic cycle; distribution of the world's water resources; surface water resources; groundwater resources; computer models of catchment water balances; storage reservoir yield analysis. River Engineering - fluvial hydraulics; morphology of natural channels; soil erosion, sediment transport in streams; re-naturalising streams; Groundwater Hydraulics - groundwater quality and contaminants - reservoir sedimentation; hydraulic structures.

ENVE931 Membrane Processes and Applications

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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None

Subject Description: Specialist topic in environmental engineering offered by members of staff, professional engineers or visitors to the department.

ENVE982 Special Topic B

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject takes an engineering approach to solving problems in air, noise and water pollution. It considers the sources, effects and methods of control of the pollutants, as well as legislative requirements. The lecture and tutorial components of this subject are complemented by extensive field and laboratory sampling, measuring and analysis.

MATL899 Advanced Topics in Materials Engineering

Not on offer in 2012
Credit Points: 48
Pre-requisites: None
Co-requisite: None
Subject Description: A program approved by the Discipline Adviser of project work and studies of advanced topics in materials selected from the fields of processing, physical and mechanical behaviour, microstructure and observational methods.

MATL903 Recent Developments in Materials

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: Commercial metals and alloys. Relationships between structure and industrially significant properties. Control of structure by processing. Thermal and mechanical treatment. Recovery and recrystallization.

MATL906 Ceramic Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Ceramics - traditional and advanced. Microstructure-property relationships. Processing, solid state and liquid phase sintering. Applications. Refractories and corrosion.

MATL907 Polymeric Materials

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Polymers, formation and classification. Effects of structure and additives on properties. Composite materials with polymeric matrices.

MATL913 Structural Analysis of Materials

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Structural characterisation techniques commonly used in materials science and engineering will be studied. Lectures and labs will provide both theoretical and practical knowledge. Topics will be selected from: electron microscopy - interactions of electrons with solids, electron optics, image formation and interpretation, scanning and transmission electron microscopy, energy dispersive spectroscopy; X-ray diffraction and texture analysis.

MATL932 Surface Engineering of Materials

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Surface coating processes, coating of materials with ceramics, metals and polymers; quality and performance of the product; surface heat treatment processes.

MATL937 Process Metallurgy

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The fundamentals of metallurgical thermodynamics and process kinetics are studied with a view to metallurgical analysis in the iron and steelmaking industry, with an emphasis on ladle metallurgy. Indirect and direct reduction of iron ore and the analysis of the blast furnace. Analysis of the processes with emphasis on smelting-reduction and clean steel production.

MATL938 Casting and Forming

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Students study common processes used to convert bulk materials into finished products. This is a key area of materials and manufacturing engineering. Common casting techniques used for metals (sand, die, pressure, gravity, centrifugal and continuous casting), mould design, cast structures and defects. Advanced casting processes: thixoforming and thixocasting, near net shape casting, squeeze casting. Fundamentals of metalworking, mechanisms of deformation processing, thermomechanical processing of steels, industrial metalworking processes: forging, mechanics and forces. Powder metallurgy. Machinging: common processes and non-conventional machining.

MATL952 Corrosion, Wear and Fatigue

Autumn Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Environmental behaviour. Thermodynamic 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-requisite: None
Subject Description: General classifications and properties of materials. Standards, codes and specifications. Property requirements for specific applications. Bases for choice of materials, testing and evaluation. Selection methodologies based on performance indices. Constraints imposed by environmental, manufacturing and economic considerations. Use of computers and data banks. Case studies.

MATL999 Advanced Topics in Materials

Not on offer in 2012
Credit Points: 48
Pre-requisites: MATH202 and MATH203
Co-requisite: None
Subject Description:

MECH899 Advanced Topics in Engineering

Annual Wollongong On Campus
Credit Points: 48
Pre-requisites: None
Co-requisite: None
Subject Description: Students will normally take a selection of topics at advanced level. The selection of the topics will be subject to the approval of the Head of the Department in which the student wishes to enrol and subsequently specialise.

MECH913 Pneumatic Transport of Bulk Solids

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Classification and selection of transport systems; flow patterns; pressure drop, minimum transport velocities; design parameters and examples; feeding and disengaging methods.

MECH918 Sustainable Energy in Buildings

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised mechanical engineering topic given by members of the Department, visiting academic staff or engineering consultants.

MECH920 Computational Methods for Fluid Dynamics

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The subject introduces computational fluid dynamics (CFD) techniques; consistency, accuracy and stability; validation of computational results; study of engineering systems which may include incompressible and compressible flow of fluids; turbulence; heat transfer and multiphase phenomena; and use of a commercial CFD package for solving industrial fluid dynamic problems.

MECH925 Advanced Fluid Power

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Fluid power components; circuit design: analysis of transmission, valve-controlled and feedback systems; electronic controls; vibration and transient response.

MECH928 Finite Element Techniques in Mechanical Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: As for MECH919.

MECH934 Advanced Manufacturing Processes

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Modelling of advanced manufacturing processes; manufacturing cost analysis; productivity and quality methods and measurements in manufacture; computer-assisted process planning; manufacturing optimisation; trends in advanced manufacturing processes, recycling aspects.

MECH935 Integrated Manufacturing Systems

Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Concurrent engineering, its application and benefits; computer integrated manufacturing concepts and applications; CAD/CAM, CNC programming, FMC, FMS; computer-process interfacting; process and tool condition monitoring; computer-aided quality control; assembly systems, assembly lines, assembly line balancing; design for manufacture - casting, forming, machining and selected examples; human interface in manufacturing systems; future trends.

MECH939 Advanced Topics in Mechatronic Engineering

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised mechatronic engineering topic given by members of the Faculty, visiting academic staff or engineering consultants.

MECH941 Micro/Nano Robotic Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: An overview of manipulation systems, comparison of macro-micro-nano worlds, micro/nano mechanics, actuation, sensing, design, manufacturing/fabrication, control and calibration issues in micro/nano robotic systems, examples of micro/nano robotic systems and their application areas.

MECH949 Advanced Computer Control of Machines and Processes

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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

MECH970 Advanced Applied Topics in Mechatronics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The intent of the subject is to bridge the gap between mechatronic engineering theory and actual industrial applications. The first part of this subject will introduce the programmable logic controller (PLC), a widely used industrial controller and Ladder Logic, the main programming language in use for PLCs. The second section will look at industrial input and output systems and the interfaces used. This will include robotic systems, motor drives, directional control valves (DCVs), vision and distance measurement. The last part will implement control systems in the PLC to perform typical manufacturing tasks.

MECH979 Sustainable Transport and Engine Technology

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Advanced topics in: human powered transport, conventional and novel engine technology and design; strategies for reducing emissions; alternative fuels; solar vehicles; fuel cells and hybrid vehicles.

MECH980 Automotive Dynamics

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Students will learn concepts involved in suspension and automotive dynamics including: fundamental analysis of vehicle forces during braking, accelerating and cornering; 2D and 3D geometrical analysis of typical double A-Arm suspension systems; Synthesis of suspension geometry systems; Tyre/Pavement interactions - analysis of tyre data and the non-dimensional tyre model; Steering; Shock Absorbers and Dampers; Anti-Roll Bar analysis; Simplified transient performance model. Laboratory classes will be used to give practical experience for testing and analysis of tyre and shock absorber properties. Students will also be asked to learn and use Matlab Simulink for modelling and analysis of vehicle performances.

MECH983 Bulk Solids Handling (Storage and Flow)

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Basic concepts of storage; flow and feeding of bulk solids; use of flow properties to determine hopper geometrics; bin wall loads; feeding and discharge systems, feeder loads; chute design; flowrate prediction; segregation and blending; dust suppression systems; stock pile systems; case studies.

MECH984 Belt Conveying

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Basic concepts; terminology and problems; health and safety regulations; dust characterisation; fan performance characteristics; capture velocities and minimum transport velocities; hood and enclosure design; duct design; dust generation and its minimisation; filtration systems; design of dust handling and disposal systems; occupational health and safety; dust explosion; case studies.

MINE899 Advanced Topics in Mining Engineering

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

MINE911 Mining Engineering Techniques

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

MINE912 Environmental Control in Mines

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MINE920
Co-requisite: 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.

MINE916 Mineral Valuation and Risk Analysis

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

MINE920 Advanced Studies in Mining Engineering

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Topics will be selected from those areas of underground mining in which staff members or visiting staff members to the Department are engaged in active research.

MINE923 Rock Mechanics

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MINE920
Co-requisite: None
Subject Description: Fundamentals of strata mechanics together with advanced topics including engineering technology and rock mechanics aspects of coal mining strata control. Design aspects of mine structures, such as mine pillars, gate roads and longwall mining. Instrumentation in providing for the safe design of the mine opening. Rock and cable bolting techniques, powered support design, slope stability and surface subsidence.

MINE933 Advanced Mineral Resource Estimation Methods

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Geostatistical methods are used for orebody modelling, petroleum reservoir modelling, or environmental site characterization. This subject focuses on the computational and hands-on aspects of using geostatistical methodologies for practical problem solving. Students will learn the fundamentals and the principles of orebody sampling and resource estimation processes. Lectures present practical approaches to problems associcated with traditional estmiators, experimental variogram modelling, variogram inference in the presence of sparse data, optimal local and global estimation, volume-cariance relationships, grade-tonnage curve, cost functions for optimal location of drill-holes and indicator kriging technique.

MINE934 Simulation of Mining Operations and Problems

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

PHYS910 Advanced Project in Physics A

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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Crystal Symmetries; Groups of Linear Transformation; Abstract Groups; Theory of Group Representations; Group of the Schrodinger Equation; Selection Rule Theorem; Groups of Physical Interest; Rotation Operations; Double-Valued Representations; Direct Products; Crystal Fields; Adiabatic Approximations; Bloch's Theorem; The Effective Mass Expansion; Spin-Orbit Interaction; Time-reversal Symmetry; Symmetry Properties of Wave Vectors; Band Theory; Impurities in Semiconductors.

PHYS948 Physics of Imaging

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Photographic processes and interpretation; Optical and infrared arrays; Image digitising systems; Radio synthesis imaging and fourier optics; Image analysis; Applications in industry, medicine and astrophysics.

PHYS950 Special Topics in Physics A

Annual Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: PHYS947
Subject Description: The subject content will reflect the specialisation of the postgraduate coursework degree in which the student is enrolled. The material will, where possible, be based on exisiting Physics Honours subjects, but may be selected from any area of Physics on the advice of the academic supervisor. Subject content will change in scope and depth to reflect the postgraduate nature of the coursework.

PHYS951 Medical Physics Research Project

Annual Wollongong On Campus
Credit Points: 18
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject is intended to lead to an understanding of the instrumentation and techniques involved in diagnostic and therapeutic uses of radiation in medicine. Topics covered will include Interactions of Radiation with Matter, Sources of Radiation, Detecting Radiation, Nuclear Elect4ronics and data acquisition system, Nuclear Reactions and Production of Radioisotopes, Neutron Physics, Dosimetry of photons, electrons and neutrons, Solid Sate Dosimetry, TLD and film dosimetry, Introduction to Radiation Therapy, Medical Linear Accelerators, X-ray Modelling Methods, Brachytherapy and Radiosurgery, Clinical Radiotherapy, Linear Accelerators X-ray and Electron Beam Properties.

PHYS953 Medical Imaging and Nuclear Medicine

Annual Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is intended to lead to an understanding of the instrumentation and techniques involved in medical imaging and an appreciation of the part played by image analysis in medical physics specifically. Topics covered will include - the photographic process, solids state detectors and CCDs, the hardware of image processing; film digitisers and plate scanners, software techniques, histograms, enhancements, convolution, edge enhancement, fourier techniques and operature synthesis, nuclear magnetic resonances, larmour frequency, basic imaging, slice selection, 3D data acquisition, chemical shift imaging, contract agents, image artefacts and distortion. The evolution and basic physics of radionuclide imaging, the tracer principle in Nuclear Medicine. the ideal properties for radioactive agents for diagnostic studies, the ideal properties for therapeutic radioactive agents, basic physiology of body organs pertinent of Nuclear Medicine,

PHYS954 Radiobiology and Radiation Protection

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: Topics covers in this subject include - Interaction of radiation with living cells and tissue; clinical fractionation; clinical radiation syndromes; radiobiological modelling; experimental radiation oncology; local control vs system control; radionuclide therapy; binary therapy; new radiotherapy modalities and their radiobiology; dosimetry; natural background radiation; principles of radiation protection; instrumentation for radiation protection; Radiation protection in radiation therapy and diagnostic

PHYS955 Transitional Medical Radiation Physics Program

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: 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-requisite: 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

Not on offer in 2012
Credit Points: 24
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: A special topic to be selected from any area of physics. The selection to be made by the Physics Discipline Adviser.

RESH900 Fundamentals for HDR Writing

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description:

RESH901 Fundamentals for HDR Writing

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 0
Pre-requisites: None
Co-requisite: None
Subject Description:

Graduate School of Medicine

Degrees Offered

Research

Doctor of Philosophy *(see page 170)*

Master of Medical Science - Research *(see page 170)*

Additional Information

Criminal Record Checks

NSW Health requires all students undertaking clinical placement as part of a health related course to undergo a criminal record check. The criminal record check shall be completed before a student can attend any clinical placement in a health facility. Students will be provided advice at time of offer on the process to be followed to obtain a suitable criminal record check. If a student receives a positive result from the check it will not necessarily exclude them from a clinical placement. Each situation will be individually assessed in a confidential consultation between the student and a representative of NSW Health.

Child protection legislation enacted in July 2000 requires each student to complete and sign a Prohibited Employment Declaration. The relevant form will be provided to you and retained by the University.

Infectious Diseases

NSW Health also requires students undertaking clinical placement in health facilities to be compliant with certain vaccinations to ensure the safety of both students and patients. This information will also be provided at time of offer.

Fee Information

For tuition fee information please see the following:

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

International - www.uow.edu.au/future/international/apply/fees/

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Graduate School of Medicine
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:	072792M

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 a field of knowledge.

Entry Requirements

Candidates must have an Honours Bachelor Degree of at least four years duration, and have as a minimum achieved Honours Class II, Division 2 or higher or completed a Masters by Research. In addition, a primary supervisor in the relevant academic unit must be identified prior to commencing the program.

All applications must be approved by the Chair of the GSM Research Committee.

Approval will be dependent on the availability of supervision for the proposed thesis topic.

International Student are required to have achieved as an minimum an IELTS score of 7.0 with level of 7.0 in reading, writing speaking and listening. Requirements are higher in some programs.

Course Requirements

Study at the Doctorate level, usually for a minimum of 3 years full-time, is by an advanced research thesis. Potential candidates, must discuss their research plan with the Chair of the GSM Research committee at which time supervision arrangements of the school will be outlined.

Rules and procedures for Doctoral degrees by Thesis are listed in the Course Rules. Doctoral candidates are urged to be familiar with the Code of Practice – Supervision and the General Course Rules governing Thesis and Research degrees, including the regulations regarding preparation and submission of the Thesis

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Graduate School of Medicine - gsm_info@uow.edu.au or Phone - +61 2 4221 5925

Master of Medical Science - Research

Testamur Title:	Master of Medical Science - Research
Abbreviation:	MMedSci-Res
Home Faculty:	Graduate School of Medicine
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1347
CRICOS Code:	071421B

Overview

The Master of Medical Science - Research provides the opportunity for students to increase knowledge, skills and capacity to understand and undertake research in an area relevant to medicine, medical science or medical education.

Students who wish to undertake a PhD and have not completed a research honours year as part of their undergraduate degree or obtained an honours grade of Class II, Division 2 or below should seek to undertake a Master of Medical Science - Research. Students may apply for a course transfer to a PhD after demonstrating a suitable level of research aptitude in the Master of Medical Science - Research.

Entry Requirements / Assumed Knowledge

To qualify for admission to the University of Wollongong Master of Medical Science – Research applicants must hold a Bachelor's degree in a relevant discipline.

For International students the English language entry criteria will be as indicated on the University website: www.uow.edu.au/prospective/international/english

Course Requirements

The University of Wollongong Master of Medical Science - Research requires the successful completion of 72 credit points of subjects in accordance with the table below.

The degree requires 24 credit points of coursework subjects, and a 48cp research thesis. Full-time students undertake THES924 for 2 sessions. Part-time students undertake THES912 for 4 sessions. All candidates for this program must present a research seminar in each enrolled year, take part in a research proposal and defence process, and submit a written research thesis.

A detailed research proposal must be submitted for examination within the first year of candidature in the thesis subject. This examination must be passed successfully for the candidature to be allowed to continue.

Students entering the program with an Honours Bachelor degree with Class II, Division 2 or higher may receive credit for the 24 credit point coursework component and therefore may complete the degree in 1 year following successful completion of the 48cp research thesis.

Students who do not have an Honours Bachelor degree with at least Class II, Division 2 must complete 24 credit points of coursework in accordance with the table below in addition a 48 credit point major thesis.

Course Program

Subject Code	Subject Name	Session	Credit Points
MEDR901	Special Topics in Medical Research Literature	Autumn/Spring	8
MEDR902	Medical Research Methodology	Autumn/Spring	8
MEDR903	Ethics in Medical Research	Autumn/Spring	8
THES924	Thesis (for full-time students)	Autumn/Spring	24
Or			
THES912	Thesis (for part-time students)	Autumn/Spring	12

Professional Recognition

The Master of Medical Science - Research will meet the needs and interests of students wishing to obtain experience and qualifications in a modern research program in fields of research including: medical science; clinical medicine; clinical behavioural science; public health; and medical education.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Graduate School of Medicine - gsm_info@uow.edu.au or Phone - +61 2 4221 5925

GSM

MEDR901 Special Topics in Medical Research Literature

Autumn	Wollongong	Flexible
Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: A subject, which develops the student's ability to access, examine, interpret and evaluate primary and secondary source research literature. Students will write an extensive critical review of the literature related to their Major Thesis or other approved area of research. Students should be able to access relevant data and information, organise, evaluate and synthesise existing data and other information, and produce a critique of literature in a scientific style. The subject will increase capacity and skills of the student in undertaking a literature review in an area of medicine or medical science or medical education related to their Major Thesis.

MEDR902 Medical Research Methodology

Autumn	Wollongong	Flexible
Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: The subject will provide the opportunity for students to understand and apply research methodology and to interpret results obtained using that methodology. The methodology will be relevant to their major project. Undertaking research requires knowledge of research methodologies and the skilled application of a specific methodology to answer a research question. The students will gain experience in investigating appropriate methodologies, and in applying a research methodology for data collection and analysis. This will be relevant to a research project in medicine, medical science or medical education.

MEDR903 Ethics in Medical Research

Autumn	Wollongong	Flexible
Spring	Wollongong	On Campus

Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: The subject will increase the skills and capacity of the student to understand ethical considerations of research and to ensure these considerations and requirements are appropriately satisfied in the development and undertaking of the project. Knowledge and understanding of the ethical obligations when undertaking research is an important aspect of research. The development of skills and capacity to complete documentation to apply for ethics approval, and prepare information statements and consent forms is necessary for any researcher embarking on a career in medical science or medical education research.

Faculty of Health and Behavioural Sciences

Member Units

School of Health Sciences
School of Nursing, Midwifery and Indigenous Health
School of Psychology

Degrees Offered

Research

Doctor of Philosophy *(see page 175)*
Doctor of Philosophy (Clinical Psychology) *(see page 177)*
Doctor of Philosophy (Integrated) *(see page 178)*
Doctor of Public Health *(see page 181)*
Master of Midwifery - Research *(see page 182)*
Master of Nursing - Research *(see page 183)*
Master of Science – Research *(see page 184)*
Master of Science – Research (Psychology) *(see page 185)*

Coursework (by Academic Unit)

School of Health Sciences

Graduate Certificate in Advanced Dietetic Practice *(see page 186)*
Graduate Certificate in Health Promotion *(see page 187)*
Graduate Certificate in Occupational Health and Safety *(see page 188)*
Graduate Certificate in Occupational Hygiene Practice *(see page 189)*
Graduate Certificate in Public Health *(see page 190)*
Graduate Certificate in Public Health Nutrition *(see page 191)*
Graduate Diploma in Science *(see page 192)*
Master of Clinical Exercise Physiology *(see page 193)*
Master of Science (Nutrition) *(see page 194)*
Master of Science (Nutrition and Dietetics) *(see page 194)*
Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) *(see page 196)*
Master of Science (Occupational Health and Safety) *(see page 197)*
Master of Science (Occupational Hygiene Practice) *(see page 199)*
Master of Public Health *(see page 200)*
Master of Public Health Advanced *(see page 203)*

School of Nursing, Midwifery and Indigenous Health

Graduate Certificate in Dementia Care *(see page 203)*
Graduate Certificate in Gerontology and Rehabilitation Studies *(see page 204)*
Graduate Certificate in Health Leadership and Management *(see page 205)*
Graduate Certificate in Health Practice Development & Facilitation *(see page 206)*
Graduate Certificate in Health Research *(see page 207)*
Graduate Certificate in Indigenous Health *(see page 208)*
Graduate Certificate in Mental Health Nursing *(see page 208)*
Graduate Certificate in Nursing *(see page 209)*
Graduate Certificate in Practice Nursing *(see page 211)*
Graduate Certificate in Social Marketing for Health *(see page 211)*
Master of Health Leadership and Management *(see page 213)*
Master of Indigenous Health *(see page 214)*
Master of Nursing *(see page 215)*
Master of Nursing (Mental Health) *(see page 216)*
Master of Science (Dementia Care) *(see page 217)*

Master of Science (Gerontology and Rehabilitation Studies) *(see page 218)*
Master of Science (Midwifery) *(see page 219)*

School of Psychology

Doctor of Psychology (Clinical) *(see page 221)*
Graduate Diploma of Professional Psychology *(see page 222)*
Master of Psychology (Clinical) *(see page 223)*
Master of Science (Psychology) *(see page 225)*
Postgraduate Diploma in Psychology *(see page 226)*

Additional Information

Additional Information: Criminal Record Checks and Infectious Diseases

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per annum
Delivery Mode:	Supervised individual research
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	012104D

Overview

The Doctor of Philosophy provides the opportunity to pursue in-depth research. Candidates are expected to develop a research thesis that leads to an original and significant contribution to the knowledge in a particular field.

Major Study Areas

School of Health Sciences

- Allied health practice efficacy
- Biomechanics
- Cardiovascular physiology
- Exercise physiology
- Exercise rehabilitation
- Functional anatomy
- Health policy
- Health promotion
- Human thermoregulation and applied physiology
- Metabolic and lipid chemistry
- Motor learning
- Neuroscience
- Nutrition and dietetics
- Occupational health and safety
- Public health
- Public health nutrition

School of Nursing, Midwifery and Indigenous Health

- Aged care and dementia
- Consumer partnerships/collaboration
- Continuity of care
- Evidence-based practice
- Health professional education, leadership and practice development
- Mental health nursing
- Midwifery
- Nursing workforce and staff mentorship
- Workforce competence

School of Psychology

- Applied psychology
- Psychophysiology
- Health psychology
- Short-term memory
- Visual perception
- Cognition development

- Cognitive neuroscience (particularly memory, vision, development and substance abuse)
- Mental health (including substance abuse and child and adolescent mental health) and Emotional Well-being
- Psychotherapy and clinical interventions
- Forensic (Legal) psychology

Centre for Health Initiatives

- Alcohol marketing and promotion
- Cancer prevention and detection
- Critical marketing & media analysis
- Health professional education, leadership and practice development
- Social marketing & community engagement
- Workplace health, safety & productivity

Entry Requirements / Assumed Knowledge

Candidates must hold an Honours Bachelor degree of at least 4 years duration from a recognised tertiary institution and have achieved a minimum of Honours Class II Division 1 or higher, or completed a Masters by Research degree. Some Schools may require Honours Class 1 for entry. In addition, a primary supervisor in the relevant academic unit must be identified prior to commencing the program. Candidates should consult with the relevant School for further information.

International students are required to have achieved a minimum IELTS score of 6.5, with a minimum of 6.0 in all bands of reading, writing, speaking and listening. Requirements are higher in some programs.

Course Requirements

Study at the Doctoral level is by advanced research thesis and the requirements for the degree are not defined by a total credit point value, but by successful completion of the advanced research thesis. The normal full-time study pattern requires enrolment in 48 credit points of subjects per year in accordance with the table below, for a minimum of 3 years. Part-time study is also available in most cases.

Potential candidates should discuss their research plan with the Postgraduate Research Coordinator of the relevant School, at which time the supervision arrangements of the School will be outlined.

Rules and procedures for Doctoral degrees by Thesis are listed in the Course Rules. Doctoral candidates are urged to be familiar with the Code of Practice - Supervision and General Course Rules governing Thesis and Research Degrees, including the regulations regarding preparation and submission of the thesis.

Subject Code	Subject Name	Session	Credit Points
THES924	Thesis for full-time students	Autumn, Spring	24 per session
OR			
THES912	Thesis for part-time students	Autumn, Spring	12 per session

Contact Information

School of Health Sciences
Dr Kelly Newell
+61 2 4221 5743
kelly_newell@uow.edu.au
School of Nursing, Midwifery and Indigenous Health
Ms Angela Brown
+61 2 4221 3339
angelab@uow.edu.au
School of Psychology
A/Prof Peter Caputi
+61 2 4221 3717
pcaputi@uow.edu.au
Centre for Health Initiatives
Professor Sandra Jones
+61 2 4221 4209
sandra_jones@uow.edu.au

Other Information

Other information is available at http://coursefinder.uow.edu.au/

Doctor of Philosophy (Clinical Psychology)

Testamur Title:	Doctor of Philosophy (Clinical Psychology)
Abbreviation:	PhD (ClinPsyc)
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	209
CRICOS Code:	003002G

Overview

This program aims to equip candidates with both clinical and research training at high levels of expertise. The coursework and practical experience provide students with a comprehensive understanding of the principles governing psychological assessment and therapy and the clinical skills required to treat a wide variety of psychological disorders in children, adolescents and adults. Candidates also undertake in-depth research that makes an original contribution to the body of knowledge in clinical psychology. The research comprises more than two thirds of the degree. The clinical training enables the candidate to practise as a clinical psychologist, and the research training can lead to (or enhance) an academic career, and is highly regarded by public and private sector employers.

Entry Requirements / Assumed Knowledge

Candidates must have a superior honours degree in Psychology of at least four years duration of Class II, Division 1 standard or higher. Entry is very competitive and successful applicants will typically also be recipients of a PhD Scholarship. Selection for entry is based on academic record, a research proposal, two referee's reports, relevant practical experience and a personal statement. Short-listed candidates are also subject to a selection interview.

International students must demonstrate that they have achieved an IELTS score of 7.0 overall, with at least 7.0 in all bands (reading and writing, speaking and listening). In addition, international applicants must have a degree in psychology that is equivalent to an Australian 4-year sequence of psychology. International applicants must have their qualifications assessed by the Australian Psychological Society (APS) for equivalence and provide this evidence in their application (see: www.psychology.org.au/membership/qualifications/).

Course Requirements

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases in the Additional Information section.

Subject Code	Subject Name	Session	Credit Points
GHMC951	Child & Adult Assessment & Psychopathology	Autumn	8
GHMC952	Principles of Psychotherapy	Autumn	8
GHMC955	Health & Wellbeing	Autumn	8
GHMC953	Neuropsychology & Neuropsychiatric Disorders	Spring	8
GHMC954	Cognitive Behavioural Therapies	Spring	8
GHMC956	Special Groups & Methods	Spring	8
THES916	Research Thesis Part Time	Autumn/Spring	16
THES924	Thesis full-time students	Autumn/Spring	24
or			
THES912	Thesis part-time students	Autumn/Spring	12

Professional Recognition

This program is accredited by the NSW Registration Board for registration as a psychologist, by the Australian Psychology Accreditation Council (APAC) for Registration as a Psychologist and as a qualifying degree for endorsement in Clinical Psychology. The program is also approved by the APS College of Clinical Psychologists for associate membership.

Other Information

For further information visit the School of Psychology Postgraduate Degrees information page - http://www.uow.edu.au/health/psyc/pgcourses, or http://coursefinder.uow.edu.au/

Doctor of Philosophy (Integrated)

Testamur Title:	Doctor of Philosophy (Integrated)
Abbreviation:	PhD (Int)
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Supervised individual research
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	210
CRICOS Code:	073059K

Overview

The PhD (Integrated) is a four-year research degree which integrates a traditional three-year PhD thesis with one-year of coursework, comprising generic research training and discipline-specific content into a single degree.

The coursework provides candidates with the opportunity to develop their research skills while allowing additional time to develop a detailed research topic, therefore providing greater certainty and better completion outcomes in the thesis.

The coursework also allows candidates to take individual subjects in a specific discipline area, thereby providing a deeper level of content from which to draw potential research themes. International students intending to become university researchers and teachers in their home country will benefit from exposure to Australian teaching methods through the inclusion of these 'taught' coursework subjects.

The PhD Integrated is therefore ideal for applicants who aspire to graduate with a PhD and who:

want a flexible program which includes a selection of 'taught' subjects included in a specific discipline area of their interest;

need further time and to develop a detailed research proposal; or

need to develop their research training skills in order to demonstrate their capacity to undertake the major research thesis.

Entry Requirements

Applicants should have a minimum of four years of study at degree level, either a four-year Bachelor degree, or a Bachelor degree plus Masters by Coursework, with a minimum Credit average (65% or GPA 3.0 out of 4.0), or equivalent.

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

Major Study Areas

School of Health Sciences

- Biomechanics
- Cardiovascular physiology
- Exercise physiology
- Exercise rehabilitation
- Functional anatomy
- Health policy
- Health promotion
- Human thermoregulation and applied physiology
- Metabolic and lipid chemistry
- Neuroscience
- Nutrition and dietetics
- Occupational health and safety
- Public health
- Public health nutrition

School of Nursing, Midwifery and Indigenous Health

- Aged care and dementia

- Consumer partnerships/collaboration
- Continuity of care
- Evidence-based practice
- Health professional education, leadership and practice development
- Mental health nursing
- Midwifery
- Nursing workforce and staff mentorship
- Workforce competence

Centre for Health Initiatives

- Alcohol marketing and promotion
- Cancer prevention and detection
- Critical marketing & media analysis
- Health professional education, leadership and practice development
- Social marketing & community engagement
- Workplace health, safety & productivity

Course Requirements

Year 1 Coursework: all students complete one year (48 credit points) of coursework in the first year in accordance with the relevant table below, comprising:

Research Training Skills

Between 24-30 credit points must be completed from research training skills subjects, typically including one or more of:

Research methodology

Literature review, critical analysis, or laboratory projects

Advanced topics, or a minor research project

All students will also complete at least four modules from the suite of student seminars and workshops coordinated by the Research Students Centre. Modules which develop thesis writing skills will be emphasised.

Individual Coursework Subjects

The remaining 18-24 credit points are chosen by the student's research supervisor in support of the intended area of research and must be approved by the Head of Postgraduate Studies.

Years 2-4 Research: the research component is the same as for the three-year PhD program and leads to production of a written thesis.

In order to progress to the research component, PhD Integrated students must complete the first year with an average of 65%, including 65% in each research training skills subject. Students progressing to the research component will have developed their specific research topic before commencing the research component.

Students not meeting progression requirement into Year 2 may be offered an alternative of transferring into a Masters program.

Study at the Doctoral level is by advanced research thesis and the requirements for the degree are not defined by a total credit point value, but by successful completion of the advanced research thesis. The normal full-time study pattern requires enrolment in 48 credit points of subjects per year in accordance with the table below, for a minimum of 3 years. Part-time study is also available in most cases.

Potential candidates should discuss their research plan with the Postgraduate Research Coordinator of the relevant School, at which time the supervision arrangements of the School will be outlined.

Rules and procedures for Doctoral degrees by Thesis are listed in the Course Rules. Doctoral candidates are urged to be familiar with the Code of Practice - Supervision and General Course Rules governing Thesis and Research Degrees, including the regulations regarding preparation and submission of the thesis.

School of Health Sciences

Subject Code	Subject Name	Session	Credit Points
SHS 900	Research Projects	Autumn/Spring/ Annual	8
SHS 901	Practicum	Autumn/Spring/ Annual	8
SHS 902	Special Topics	Autumn/Spring/ Annual	8
24 credit points of subjects chosen by research supervisor in support of the intended area of research and approved by the Head of Postgraduate Studies		Autumn/Spring/ Annual	24
THES924	Thesis for full-time students	Autumn, Spring	24
OR			
THES912	Thesis for part-time students	Autumn, Spring	12

School of Nursing, Midwifery and Indigenous Health

Subject Code	Subject Name	Session	Credit Points
CHIP915	Essential Skills for Health Researchers	Autumn	6
CHBC918	Critical Appraisal	Autumn	6
CHBC919	Evaluative Research Methodology	Autumn	6
GHMB950	Reflective Practice 1	Autumn, Spring	6
GHMB953	Special Topic in Nursing	Autumn, Spring	6
18 credit points of subjects chosen by research supervisor in support of the intended area of research and approved by the Head of Postgraduate Studies		Autumn, Spring	18
THES924	Thesis for full-time students	Autumn, Spring	24
OR			
THES912	Thesis for part-time students	Autumn, Spring	12

Supporting Statement

Applicants for the PhD Integrated must provide either a Supporting Statement or a detailed research proposal outlining the area of intended future research and reason for wishing to enrol in a research program.

Applicants are encouraged to contact the relevant staff member below to obtain advice relating to potential research topics and supervisors. The advisors will also provide advice on the style and content needed for their research proposal/statement.

Contact Information

School of Health Sciences
Dr Kelly Newell
+61 2 4221 5743
kelly_newell@uow.edu.au
School of Nursing, Midwifery and Indigenous Health
Ms Angela Brown
+61 2 4221 3339
angelab@uow.edu.au
Centre for Health Initiatives
Professor Sandra Jones
+61 2 4221 4209
sandra_jones@uow.edu.au

Other Information

Other information is available at http://coursefinder.uow.edu.au/

Doctor of Public Health

Testamur Title:	Doctor of Public Health
Abbreviation:	DPH
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 credit points per annum
Delivery Mode:	Supervised individual research and face-to-face classes
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	204
CRICOS Code:	012105C

Overview

The Doctor of Public Health is a professional doctorate degree granted on successful completion of an approved program of coursework, in addition to an independent and original investigation of a significant problem in public health, and the presentation of the research as an acceptable thesis. This degree prepares students for leadership positions in the health sector that require advanced analytical or conceptual capabilities. Students should consult the information under the Doctor of Philosophy for information about the School's research areas.

Entry Requirements / Assumed Knowledge

To qualify for entry to the program, candidates must have a Master of Public Health degree or equivalent, usually at credit level or higher, or an Honours Bachelor degree of at least Class II, Division 2 standard in a relevant discipline, followed by the equivalent of at least one year of full-time relevant and approved postgraduate study.

Students should preferably have 2 or more years of appropriate professional experience, and have demonstrated potential capacity for leadership in the area of specialisation. Applicants should submit a record of professional experience and names of two appropriate referees.

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

Course Requirements

The Doctor of Public Health takes a minimum of 3 years of full-time study. It includes a coursework component and a research component. There will be no credit granted for previous graduate study at Masters level. The coursework involves a maximum of 1 year of full-time study (48 credit points). The research component of the program involves at least 2 years of full-time enrolment, undertaking a thesis following completion of the coursework component.

Progression to the research component requires the development of a suitable research proposal, at the end of which the student sits a qualifying examination within the equivalent of twelve months of full time study following initial enrolment. The coursework must be passed with a credit average to allow progression into the research component of the course.

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.

Applicants who have not had a background in public health may be advised to take the 4 core subjects listed below. Some applicants may be advised to undertake specialised programs in preparation for their research.

Subject Code	Subject Name	Session	Credit Points
SHS 933	Social Determinants of Public Health	Autumn	6
SHS 940	Statistics in Health Research	Spring	6
SHS 932	Epidemiology	Spring	6
SHS 941	Public Health Research Methodology	Spring	6
THES924	Thesis for full-time students	Autumn, Spring	24
Or			
THES912	Thesis for part-time students	Autumn, Spring	12
Full-time students are required to submit their theses no later than 8 academic sessions from the commencement date of candidature.			

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Midwifery - Research

Testamur Title:	Master of Midwifery - Research
Abbreviation:	MMid-Res
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1308
CRICOS Code:	044410G

Overview

The Master of Midwifery – Research is intended to provide candidates with the opportunity to pursue a research program in a specialised field of midwifery. Interdisciplinary supervision will be encouraged so that a student may have (for instance) a supervisor who is a midwife/nurse academic, and another with expertise in an appropriate associated discipline.

Entry Requirements / Assumed Knowledge

Applicants must hold a qualification that would demonstrate their authority to practice as a Registered Midwife within Australia (or provide evidence of equivalent international registration as a midwife). Applicants must also demonstrate the minimum tertiary qualifications of a 3 year Bachelor of Nursing degree (or equivalent).

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

Course Requirements

The Master of Midwifery – Research requires the successful completion of 72 credit points of subjects in accordance with the table below.

It is expected that all candidates will undertake the coursework preparation program before enrolling in the thesis, unless through recognition of the candidate's prior learning and the possession of relevant qualifications they can demonstrate that they possess the relevant skills and knowledge.

Subject Code	Subject Name	Session	Credit Points
THES924	Thesis for full-time students (1 year)	Annual	48 per year
Or			
THES912	Thesis for part-time students (2 years)	Annual	24 per year
CHBC918	Critical Appraisal	Autumn	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB953	Special Topic in Nursing	Autumn or Spring	6
CHIP915	Essential Skills for Health Research	Autumn	6
or			
SHS941	Public Health Research Methodology	Spring	6

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Nursing - Research

Testamur Title:	Master of Nursing - Research
Abbreviation:	MNurs-Res
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1310
CRICOS Code:	042634G

Overview

The Master of Nursing – Research is intended to provide candidates with the opportunity to pursue a research program in a specialised field of nursing. Interdisciplinary supervision will be encouraged so that a student may have (for instance) a supervisor who is a midwife/nurse academic, and another with expertise in an appropriate associated discipline. Students should consult the information under the Doctor of Philosophy for information about the schools research areas.

Entry Requirements / Assumed Knowledge

Applicants must hold a qualification in Nursing which will enable them to gain authority to practice as a Registered Nurse, (or provide evidence of equivalent international registration as a nurse.) In addition, applications must have one of the following: a Bachelor degree in Nursing, Graduate Certificate in Nursing, Bachelor of Nursing (Honours) Class II, Division 2, or a Master of Nursing degree or equivalent. Applicants who do not possess a Bachelor degree in Nursing may gain entry to the Master of Nursing – Research program by successfully completing a Graduate Certificate in Nursing, with content arranged with advice from the Postgraduate Coordinator, and by achieving a credit average.

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

Course Requirements

The Master of Nursing - Research requires the successful completion of 72 credit points in accordance with the table below.

It is expected that all candidates will undertake the coursework preparation program before enrolling in the thesis, unless through recognition of the candidate's prior learning and the possession of relevant qualifications they can demonstrate that they possess the relevant skills and knowledge.

Subject Code	Subject Name	Session	Credit Points
THES924 Or	Thesis for full-time students (1 year)	Annual	48 per year
THES912	Thesis for part-time students (2 years)	Annual	24 per year
CHBC918	Critical Appraisal	Autumn	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB953	Special Topic in Nursing	Autumn or Spring	6
CHIP915	Essential Skills for Health Research	Autumn	6
or			
SHS941	Public Health Research Methodology	Spring	6

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Science – Research

Testamur Title:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1341
CRICOS Code:	042633G

Overview

The Master of Science - Research provides the opportunity to pursue independent research in fields including medical science, exercise science and rehabilitation, nutrition and dietetics, public health and occupational health and safety. Students who wish to undertake a PhD and have not completed a research Honours year as part of their undergraduate degree or obtained an Honours grade of Class II, Division 2 or below should seek to undertake a Master of Science - Research. Students may apply for a course transfer to a PhD after demonstrating a suitable level of research aptitude in the Master of Science - Research.

Consult the information under the Doctor of Philosophy for information about the research areas available.

Entry Requirements / Assumed Knowledge

Students must hold a minimum of a 3 year Bachelors degree in a relevant discipline. Students who enter with an Honours Bachelor degree with Class II, Division 2 or higher may receive credit for the coursework component of the Master of Science - Research.

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

Course Requirements

The Master of Science – Research requires the successful completion of 72 credit points of subjects in accordance with the table below.

The degree requires 24 credit points of coursework subjects and a 48cp research thesis. Full-time students undertake THES924 for 2 sessions. Part-time students undertake THES912 for 4 sessions. All candidates for this program must present a research seminar in each enrolled year, take part in a research proposal and defence process, and submit a written research thesis.

A detailed research proposal must be submitted for examination within the first year of candidature in the thesis subject. This examination must be passed successfully for the candidature to be allowed to continue.

Students entering the program with an Honours Bachelor degree with Class II, Division 2 or higher may receive credit for the 24 credit point coursework component and therefore may complete the degree in 1 year following successful completion of the 48cp research thesis.

Students who do not have an Honours Bachelor degree with at least Class II, Division 2 must complete 24 credit points of coursework in accordance with the table below in addition a 48 credit point major thesis.

Subject Code	Subject Name	Session	Credit Points
SHS 900	Research Project	Autumn, Spring, Annual	8
SHS 901	Practicum	Autumn, Spring, Annual	8
SHS 902	Special Topics	Autumn, Spring, Annual	8
THES924	Thesis for full-time students*	Autumn, Spring	24
Or			
THES912	Thesis for part-time students*	Autumn, Spring	12

*choose either THES924 or THES912 as appropriate for enrolment pattern

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Science – Research (Psychology)

Testamur Title:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1341A
CRICOS Code:	044405D

Overview

The Master of Science – Research provides the opportunity to pursue research in psychology. Students should consult the Course Handbook entry for the Doctor of Philosophy for information about the research areas available in the School of Psychology.

Entry Requirements / Assumed Knowledge

Students must normally have a 4 year Bachelors degree or Bachelors (Hons) degree in Psychology (or equivalent) that includes a full year of research.

The number of students admitted each year may be limited based on the availability of suitable supervisors. If the number of applicants exceeds the quota, admission will be based on academic qualifications, and entry will usually require a minimum Honours grade of Class II, Division 2 (or equivalent) in a relevant discipline.

International students are required to have achieved an overall IELTS score of 7.0, with a minimum level of 7.0 in all bands of reading, writing, speaking and listening.

Course Requirements

The Master of Science – Research (Psychology) requires the successful completion of 72 credit points of subjects in accordance with the table below.

The degree requires 24 credit points of coursework subjects, and a 48cp research thesis. Full-time students undertake THES924 for 2 sessions. Part-time students undertake THES912 for 4 sessions. All candidates for this program must present a research seminar in each enrolled year, take part in a research proposal and defence process, and submit a written research thesis.

A detailed research proposal must be submitted for examination within the first year of candidature in the thesis subject. This examination must be passed successfully for the candidature to be allowed to continue.

Students entering the program with an Honours Bachelor degree with Class II, Division 2 or higher may receive credit for the 24 credit point coursework component and therefore may complete the degree in 1 year following successful completion of the 48cp research thesis.

Students who do not have an Honours Bachelor degree with at least Class II, Division 2 must complete 24 credit points of coursework in accordance with the table below in addition a 48 credit point major thesis.

Subjects		Session	Credit Points
GHMC946	Research Project A	Autumn	8
GHMC947	Research Project B	Spring	16
THES924	Thesis for full-time students	Autumn, Spring	24
or			
THES912	Thesis for part-time students	Autumn, Spring	12

Professional Recognition

The Master of Science – Research (Psychology) can be used to gauge eligibility for or entry to a PhD program.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Advanced Dietetic Practice

Testamur Title:	Graduate Certificate in Advanced Dietetic Practice
Abbreviation:	GradCertAdvDietPrac
Home Faculty:	Health and Behavioural Sciences
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1170
CRICOS Code:	061882M

Overview

This is a course for practising dietitians with a minimum of 3 years professional experience who wish to undertake further study and develop their career whilst continuing to practise. The course provides opportunities for students to:

- Enhance their skills of reflection
- Enhance their skills of research design, data collection, program evaluation and statistical analysis
- Select and apply appropriate approaches in order to advance dietetic practice
- Engage in academic debate involving issues relating to practice and evidence-based approaches

The course will also assist current Accredited Practising Dietitians who may wish to apply for the title of Advanced Practitioner with the Dietitians Association of Australia (DAA). On completion of this course, students will be able to provide evidence of advanced knowledge and skills in many elements of three of the five key competency areas that need to be included in a dossier of supporting evidence: 'Research and Evaluation', 'Strategic and Reflective Practice' and Professional Competence'.

Entry Requirements / Assumed Knowledge

Applicants must possess professional Dietetics qualifications suitable for membership of the Dietitians Association of Australia, with at least 3 years experience as a practising dietitian.

International applicants require an IELTS of 7.0

Course Requirements

The Graduate Certificate in Advanced Dietetic Practice requires the successful completion of 24 credit points of subjects in accordance with the table below.

The course will take a minimum of one semester to complete full-time, but is more likely to be completed part-time over a 2 year period. Many subjects are available via flexible or distance learning to allow students to enrol by distance or complete with minimal on-campus attendance if required. The course is composed of 3 core subject areas (reflective practice, research methods, and advanced dietetic practice) and one elective (in areas of management, public health, research methods and marketing).

It is recommended that students complete GHMB950 Reflective Practice and one research subject before enrolling in DIET958 Advanced Dietetic Practice.

Subject Code	Subject Name	Session	Credit Points
DIET958	Advanced Dietetic Practice	Autumn, Spring or Annual	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
Plus 6 credit points from the core group:			
CHIP915	Essential Skills for Health Researchers	Autumn	6
SHS 952	Research in Human Nutrition	Autumn	8
SHS 940	Statistics in Health Research	Spring	6
SHS 941	Public Health Research Methodology	Spring	6
And a further 6 credit points from the elective group:			
CHIP911	Social Marketing for Health	Autumn	6
CHIP915	Essential Skills for Health Researchers*	Autumn	6
SHS 952	Research in Human Nutrition*	Autumn	6
TBS 904	Marketing Management	Autumn	6
GHMB925	Effective Leadership in Health	Autumn or Spring	6
TBS 901	Accounting for Managers	Autumn or Spring	6
TBS 903	Managing People in Organisations	Autumn or Spring	6
CHIP912	Advanced Studies in Behaviour Change	Spring	6
CHIP913	Social Marketing Practice	Spring	6
GHMC984	Social Psychology & Health	Spring	6
SHS 939	Food and Nutrition Policy	Spring	6
SHS 940	Statistics in Health Research*	Spring	6
SHS 941	Public Health Research Methodology*	Spring	6

* not permitted as elective if taken as a core subject.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Health Promotion

Testamur Title:	Graduate Certificate in Health Promotion
Abbreviation:	GCertHlthProm
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On-campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1183
CRICOS Code:	N/A

Overview

The Graduate Certificate in Health Promotion provides students with the knowledge and skills to plan, implement, and evaluate health promotion programs efficiently, effectively and appropriately to improve the health and well being of populations. Guiding principles articulated in the action areas of the Ottawa and Bangkok Charters for Health Promotion are covered in the subjects Health Promotion and Public Health Policy. This theoretical base is complemented by extended opportunities to consolidate skills in Health Promotion Competencies and Health Research Methodology. Successful completion of the Health Promotion stream will enable graduates to confidently work with communities for change and contribute to effective and sustainable health promotion practice nationally and internationally.

Entry Requirements / Assumed Knowledge

Entry to the Graduate Certificate in Health Promotion requires a three year undergraduate degree (or equivalent) from a recognised tertiary institution. An applicant holding other acceptable qualifications may be admitted to this course on a case-by-case basis.

Course Requirements

The Graduate Certificate in Health Promotion requires the successful completion of 24 credit points of subjects in accordance with the table below or with the approval of the Course Coordinator.

Subject Code	Subject Name	Session	Credit Points
SHS 934	Health Promotion	Autumn	6
SHS 935	Public Health Policy	Autumn	6
SHS 930	Health Promotion Competencies	Spring	6
SHS 941	Public Health Research Methodology	Spring	6

Articulation with other UOW Courses

The Graduate Certificate in Health Promotion articulates with the Master of Public Health. All subjects successfully completed in the Graduate Certificate in Health Promotion will count as credit towards the Master of Public Health upon successful transfer.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Occupational Health and Safety

Testamur Title:	Graduate Certificate in Occupational Health and Safety
Abbreviation:	GCertOHS
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Flexible
Starting Session(s):	SHS Jan (3 January)
Location:	Wollongong
UOW Course Code:	1135
CRICOS Code:	N/A

Overview

The Graduate Certificate in Occupational Health and Safety course provides an entry point for students who don't meet the requirements for direct entry to the Masters degree. The course is designed to permit students to transfer to the Master of Science (Occupational Health and Safety) provided that a credit average is achieved across all subjects in the Graduate Certificate.

Entry Requirements / Assumed Knowledge

Applicants who hold a degree that doesn't meet the criteria for direct entry to the Masters may be accepted for entry to the Graduate Certificate in Occupational Health and Safety. Applicants who hold a Certificate IV in Workplace Safety or equivalent, plus two years of relevant work experience in an OHS related area, will also be considered.

Course Requirements

The Graduate Certificate in Occupational Health and Safety requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session +	Credit Points
LAW 969	Occupational Health and Safety Law**	Autumn	6
SHS 970	Advanced Workplace Injury Management	SHS February	6
SHS 971	OH&S Risk Management	SHS July	6
SHS 972	Principals of Occupational Hygiene	SHS September	6

Note: all SHS subjects listed above are taught in 5-day block delivery modes that require on-campus attendance. Please consult the OH&S academic program website at www.uow.edu.au/health/healthsciences/ohspgprogramme for details.

**This subject is run by the Faculty of Law and is delivered in block format. Please consult the Faculty of Law for details.

+ Some subjects are offered in non standard sessions. Please contact the OHS Academic Program Coordinator for more details.

Professional Recognition

The Graduate Certificate in Occupational Health and Safety has been accredited by the Institution of Occupational Safety & Health (IOSH) in the United Kingdom. For full details on accreditation status please contact the OHS Academic Program Coordinator.

Articulation with other UOW Courses

The Graduate Certificate in Occupational Health and Safety articulates with the Master of Science (Occupational Health and Safety). All subjects successfully completed in the Graduate Certificate in Occupational Health and Safety will count as credit towards the Master of Science (Occupational Health and Safety) upon successful transfer to the Masters. Note that a credit average in the Graduate Certificate is required to be eligible to transfer.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Occupational Hygiene Practice

Testamur Title:	Graduate Certificate in Occupational Hygiene Practice
Abbreviation:	GCertOHP
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Flexible
Starting Session(s):	SHS Jan (3 January)
Location:	Wollongong
UOW Course Code:	1177
CRICOS Code:	N/A

Overview

The Graduate Certificate in Occupational Hygiene Practice aims to develop the basic skills necessary to evaluate workplaces for worker exposure to hazardous substances. Skills will also be developed in the control of hazardous substances after they have been identified and evaluated.

Entry Requirements / Assumed Knowledge

The Graduate Certificate program has been designed as an entry course for those who may not have an undergraduate degree but have relevant work experience and have completed a "Fundamentals in Occupational Hygiene" course offered by an acceptable professional society or equivalent. The program is designed so that students may progress from the Graduate Certificate through to the Masters degree, provided a credit average is maintained throughout the Graduate Certificate.

Course Requirements

The Graduate Certificate in Occupational Hygiene Practice course requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session +	Credit Points
SHS974	Measurement of Hazardous Substances	SHS March	6
SHS980	Epidemiology & Toxicology for OHS Practitioners	SHS March	6
SHS977	Control of Hazardous Substances	SHS September	6
SHS976	Noise-Measurement & Its Effects	SHS October	6
Note: all subjects are taught in 5-day block delivery modes that require on-campus attendance. Please consult the OHS academic program website at www.uow.edu.au/health/healthsciences/ohspgprogramme for details. + Some subjects are offered in non standard sessions. Please contact the OHS Academic Program Coordinator for more details.			

Credit Arrangements and Articulation with other UOW Courses

The Graduate Certificate in Occupational Hygiene Practice articulates with the Master of Science (Occupational Hygiene Practice). All subjects successfully completed in the Graduate Certificate in Occupational Hygiene Practice will count as credit towards the Master of Science (Occupational Hygiene Practice) upon successful transfer.

Contact Information:

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Public Health

Testamur Title:	Graduate Certificate in Public Health
Abbreviation:	GCertPubHlth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On-campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1130
CRICOS Code:	N/A

Overview

The Graduate Certificate in Public Health provides a basic introduction to key public health concepts and issues, including social determinants of public health, statistical analysis and epidemiology – the study of patterns of health and illnesses. These subjects provide insight into the challenges involved in system level change to improve the health of our vulnerable communities and also the range of career opportunities available in public health.

Entry Requirements / Assumed Knowledge

Entry to the Graduate Certificate in Public Health requires a three year undergraduate Bachelor degree (or equivalent) from a recognised tertiary institution. An applicant holding other acceptable qualifications may be admitted to this course on a case-by-case basis.

Course Requirements

The Graduate Certificate in Public Health requires the successful completion of 24 credit points of subjects in accordance with the table below or with approval of the Course Coordinator.

Subject Code	Subject Name	Session	Credit Points
SHS 931	Public Health Communication and Data Skills*	Autumn	6
Or			
6cp elective subject*			
SHS 933	Social Determinants of Health	Autumn	6
SHS 932	Epidemiology	Spring	6
SHS 940	Statistics in Health Research	Spring	6

* Students should seek advice from the Course Coordinator as to whether they should take SHS 931 or a 6cp elective.

Credit Arrangements and Articulation with other UOW Courses

The Graduate Certificate in Public Health articulates with the Master of Public Health. All subjects successfully completed in the Graduate Certificate in Public Health will count as credit towards the Master of Public Health upon successful transfer.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Public Health Nutrition

Testamur Title:	Graduate Certificate in Public Health Nutrition
Abbreviation:	GCertPHN
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 Campus
UOW Course Code:	1184
CRICOS Code:	N/A

*Please note the subjects are delivered on campus via block delivery. Please see course requirements for more details.

Overview

The Graduate Certificate in Public Health Nutrition enables graduates to analyse factors affecting the food and nutrition system; advise on and negotiate effective and feasible food and nutrition policy; implement and evaluate evidence-based public health food and nutrition strategies; and systematically monitor the food and nutrition system. These skills are of central importance in preventive health strategies. Food and nutrition analyses focus on the links between food production and food choice with the ecological sustainability crisis, the nutrition impacts of rising levels of social inequity and food as a core to our social and cultural identities.

Entry Requirements / Assumed Knowledge

Entry to the Graduate Certificate in Public Health Nutrition requires a three year undergraduate Bachelor degree (or equivalent) from a recognised tertiary institution. Normally applicants require an undergraduate program in nutrition to be considered eligible to apply. An applicant holding other acceptable qualifications may be admitted to this course on a case-by-case basis.

Course Requirements

The Graduate Certificate in Public Health Nutrition requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
SHS 936	Public Health Nutrition	Autumn	6
SHS 938	Food and Nutrition Monitoring and Surveillance	Autumn	6
SHS 937	Nutrition Promotion	Spring	6
SHS 939	Food and Nutrition Policy	Spring	6

Credit Arrangements and Articulation with other UOW Courses

The Graduate Certificate in Public Health Nutrition articulates with the Master of Public Health. All subjects successfully completed in the Graduate Certificate in Public Health Nutrition will count as credit towards the Master of Public Health upon successful transfer provided that students choose Stream B: Public Health Nutrition within the Master of Public Health.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Diploma in Science

Testamur Title:	Graduate Diploma in Science
Abbreviation:	GDipSc
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	650
CRICOS Code:	002508M

Overview

The Graduate Diploma in Science (Biomedical Science) is designed to give graduates further training in one of the discipline areas of biomedical science.

Entry Requirements / Assumed Knowledge

Entry into the Graduate Diploma in Science (Biomedical Science) requires the completion of a Bachelor degree with a minimum of 96 credit points in biomedical science. To assist with the development of an individualised subject enrolment and progression plan, applicants must include a statement of purpose with their application form.

Entry is competitive as places are limited. If the number of applicants exceeds available places, applicants will be ranked according to grade point average achieved in the candidate's Bachelor degree together with achievement in any related study such as honours or miscellaneous subjects in biomedical science areas.

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

Course Requirements

The Graduate Diploma in Science (Biomedical Science) requires successful completion of 48 credit points of subjects that are designed specifically for each student's needs. Therefore, subjects must be selected in consultation with an academic adviser and be approved by the Course Coordinator. Students may choose subjects from discipline areas including:

- Anatomy
- Physiology
- Biochemistry
- Exercise Physiology
- Nutrition

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Clinical Exercise Physiology

Testamur Title:	Master of Clinical Exercise Physiology
Abbreviation:	MClinExPhys
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time only; not available part-time
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1617
CRICOS Code:	068540K

Overview

The Master of Clinical Exercise Physiology aims to produce professional Exercise Physiologists who can utilise exercise to prevent and rehabilitate disease and injury in the broader community. Upon obtaining accreditation from Exercise and Sport Science Australia (ESSA), Accredited Exercise Physiologists are eligible for registration as an allied health professional with Medicare, WorkCover NSW and private health insurers.

Our Graduates are often employed in the public and private health sectors working as a part of a multi-disciplinary rehabilitation teams.

Many graduates work within private exercise physiology clinics across a broad range of rehabilitation areas, including (but not limited to) cardiac rehabilitation, diabetes management, falls prevention, chronic and complex disease management. Alternatively, graduates also work within work-related injury and rehabilitation sectors (WorkCover NSW), either as an allied health professional providing clinical services, or as a rehabilitation provider from a case management perspective.

Entry Requirements / Assumed Knowledge

A Bachelor degree in Exercise Science of at least three years duration from a recognised tertiary institution is required for entry. Applicants must also have acquired a minimum of 140 hours of supervised clinical placement with healthy populations prior to entry into the Masters.

Places in the Masters are limited and a minimum credit average across all completed undergraduate subjects is required to be considered competitive for entry.

Please note allied health degrees (medicine, physiotherapy, nursing, etc) do not meet the minimum requirements for entry into this course.

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

Course Requirements

The Master of Clinical Exercise Physiology requires the successful completion of 48 credit points of subjects in accordance with the table below.

This course is not available part-time.

Note that this degree has 360 hours of compulsory clinical placement which is completed in Spring Session as part of the Clinical Practicum subject. Any student going on placement in NSW Health facilities will need to comply with the relevant occupational screening policy and vaccination requirements before placement. NSW Health can provide details of necessary vaccinations. In order to enrol in professional practice subjects, all UOW MClinExPhys students must provide a completed National Criminal Record Check and a Prohibited Employment Declaration Form. For further information, refer to the Additional Information section.

Subject Code	Subject Name	Session	Credit Points
EXSC920	Clinical Exercise Physiology	Autumn	24
EXSC921	Clinical Practicum	Spring	16
EXSC922	Advanced Workplace Injury Management for Exercise Physiologists	Spring	8

Professional Recognition

The Master of Clinical Exercise Physiology has been accredited by Exercise and Sport Science Australia (ESSA). Upon graduation, students are eligible to apply for accreditation as an Exercise Physiologist.

Student Income Support

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

The Master of Clinical Exercise Physiology has been approved by DEEWR as an eligible Masters programme for

Student Income Support.

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

Contact Information

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Course Coordinator
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Master of Science (Nutrition)

Testamur Title:	Master of Science (Nutrition)
Abbreviation:	MSc(Nutr)
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time
Total Credit Points:	72
Delivery Mode:	On-campus
Starting Session(s):	Not available for commencement in 2012
Location:	Wollongong
UOW Course Code:	
CRICOS Code:	

This course is currently under review and is not available to commencing students in 2012. Current students should refer to the 2009 Course Handbook for details on the requirements of the MSc (Nutrition).

Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Science (Nutrition and Dietetics)

Testamur Title:	Master of Science (Nutrition and Dietetics)
Abbreviation:	MSc(Nutr&Diet)
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1631
CRICOS Code:	007054G

Overview

The Master of Science (Nutrition and Dietetics) consists of coursework and practical placements, and develops knowledge and skills required by nutritionists/dietitians working in a variety of community and public health settings, food industry, private practice, hospitals, and other tertiary health care facilities. This course is only available on campus and there are no distance education options.

Entry Requirements / Assumed Knowledge

A Bachelors degree of at least 3 years duration from a recognised tertiary institution (or equivalent) is required for entry. The degree must incorporate the equivalent of 12 credit points in metabolic biochemistry at 200 level, 12 credit points in human systems physiology and 24 credit points in nutritional science subjects across the whole degree.

Entry is competitive, and only a limited number of students will be admitted each year. If the number of applicants exceeds the quota, admission will be based primarily on academic qualifications.

Applications are due by the end of September each year and those received earlier in the year are held so that all applications are considered and ranked at the one time. All applicants must submit the Selection Supplement for the Master of Science (Nutrition and Dietetics) together with their course application. Selection is primarily based on academic merit but the applicants' referee reports, educational and work experience are also considered. All applicants can expect to be notified of an outcome by the end of November.

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

Course Requirements

The Master of Science (Nutrition and Dietetics) requires the successful completion of 96 credit points of subjects in accordance with the table below.

This course includes a compulsory clinical placement component. Any student going on placement in NSW Health facilities will need to comply with the relevant occupational screening policy and vaccination requirements before placement. NSW Health can provide details of necessary vaccinations. In order to enrol in professional practice subjects, all UOW MSc(Nutr&Diet)students must provide a completed National Criminal Record Check and a Prohibited Employment Declaration Form. For further information, refer to the Additional Information section.

Subject Code	Subject Name	Session	Credit Points
Year 1			
SHS 951	Nutrients and Metabolism*	Autumn	8
SHS 952	Research in Human Nutrition*	Autumn	8
SHS 953	Community and Public Health Nutrition*	Autumn	8
DIET950	Dietetics 1#	Spring	8
DIET955	Research Project in Nutrition & Dietetics	Spring	16
Year 2			
DIET951	Dietetics 2	Autumn	8
DIET952	Communication in Health Care Practice	Autumn	8
DIET956	Food Service and Dietetics Management	Autumn	8
DIET954	Practical Studies in Nutrition and Dietetics	Spring	24

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

Students who have completed DIET450 Dietetics 1 in the Bachelor of Science (Nutrition) at the University of Wollongong should apply for an Exemption B for this subject (credit for the purpose of meeting course requirements but not for the accrual of credit points) and take DIET957 Major Project 24cp in Spring of Year 1 in place of DIET950 (8cp) and DIET955 (16cp).

Credit

Students who have completed the Bachelor of Science (Nutrition) at the University of Wollongong can apply for credit of up to a maximum of 24 credit points as indicated in the table above, which would allow completion in 18 months of full-time study.

Students who hold other qualifications may also be eligible for credit, however this will be assessed on a case-by-base basis.

Professional Recognition

The Master of Science (Nutrition and Dietetics) has full accreditation with the Dietitians Association of Australia (DAA), making all graduates eligible for the credential of Accredited Practising Dietitian (APD) and Accredited Nutritionist (AN).

Student Income Support

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

The Master of Science (Nutrition and Dietetics) has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/.

Master of Science (Nutrition, Dietetics and Exercise Rehabilitation)

Testamur Title:	Master of Science (Nutrition, Dietetics and Exercise Rehabilitation)
Abbreviation:	MSc(Nutr,Diet&ExeRe)
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	104
Delivery Mode:	On-campus
Starting Session(s):	Autumn (Note: No intake from non-UOW graduates)
Location:	Wollongong
UOW Course Code:	1633
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

The last intake into the Master of Science (Nutrition, Dietetics & Exercise Rehabilitation) will be in 2012. All applicants must hold a Bachelor of Science (Exercise Science and Nutrition) from UOW. Applications from other tertiary institutions will not be considered.

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

Course Requirements

The Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) requires the successful completion of 104 credit points of subjects in accordance with the table below. This course includes a compulsory clinical placement. Any student going on placement in NSW Health facilities will need to comply with the relevant occupational screening policy and vaccination requirements before placement. NSW Health can provide details of necessary vaccinations. In order to enrol in professional practice subjects, all UOW MSc students must provide a completed National Criminal Record Check and a Prohibited Employment Declaration Form. Students who do not meet these requirements will not be able to attend clinical practicum and therefore will not be able to continue in the Master of Science (Nutrition, Dietetics and Exercise Rehabilitation). For further information, refer to the Additional Information section.

Subject Code	Subject Name	Session	Credit Points
Year 1			
EXSC920	Clinical Exercise Physiology	Autumn	24
SHS 900	Research Projects	Autumn	8
DIET950	Dietetics 1	Spring	8
EXSC921	Clinical Practicum	Spring	16
Year 2			
DIET951	Dietetics 2	Autumn	8
DIET956	Food Service & Dietetics Management	Autumn	8
GHMA929	Exercise Psychology & Dietary Counselling	Autumn	8
DIET954	Practical Studies in Nutrition & Dietetics	Spring	24

Professional Recognition

The Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) has full accreditation with the Dietitians Association of Australia (DAA), making all graduates eligible for the credential of Accredited Practising Dietitian (APD) and Accredited Nutritionist (AN). Graduates will be eligible to apply for professional accreditation with Exercise and Sports Science Australia (ESSA).

Student Income Support

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

The Master of Science (Nutrition, Dietetics and Exercise Rehabilitation) has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/.

Master of Science (Occupational Health and Safety)

Testamur Title:	Master of Science (Occupational Health and Safety)
Abbreviation:	MSc(OHS)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Flexible (block delivery)
Starting Session(s):	3 January & 1 June (Domestic students) 3 January (International students)
Location:	Wollongong
UOW Course Code:	1632
CRICOS Code:	069727B

Overview

The Master of Science (Occupational Health and Safety) provides an intensive professional program of study in the area of OH&S with a focus on the practical aspects. This degree also allows students to develop research skills related to professional practice in OH&S.

Entry Requirements / Assumed Knowledge

For direct entry into the Master of Science (Occupational Health and Safety) a recognised 3 year Bachelors degree is required. In addition, applicants must demonstrate that their degree contains the equivalent of 1 year of science subjects.

Completion of the Graduate Certificate in Occupational Health and Safety at UOW with a credit average serves as an alternative basis for entry into the Master of Science (Occupational Health and Safety) for applicants who do not hold a Bachelors degree.

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

Course Requirements

The Master of Science (Occupational Health and Safety) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session +	Credit Points
LAW 969	OH&S Law**	Autumn	6
SHS 970	Advanced Workplace Injury Management	SHS February	6
SHS 980	Epidemiology & Toxicology for OHS Practitioners	SHS March	6
SHS 971	OH&S Risk Management	SHS July	6
SHS 972	Principles of Occupational Hygiene	SHS September	6
SHS 973	Behavioural Change: Human Factors in OH&S	SHS July	6
SHS 979	Ergonomics Essentials	SHS January	6
Plus 6 credit points of electives from the list below:			
SHS 978	Asbestos and Other Fibres	SHS September	6
SHS 984	Occupational Health & Safety Project	Spring	6
SHS 975	Thermal Environment	SHS July	6
SHS 976	Noise- Measurement and Its Effects	SHS October	6
All subjects, except SHS984, are taught in block delivery modes. Please consult the OHS academic program website at www.uow.edu.au/health/healthsciences/ohspgprogramme for details.			
**This subject is run by the Faculty of Law and runs in block format, please consult the Faculty of Law for details.			
+ Some subjects are offered in non standard sessions. Please contact the OHS Academic Program Coordinator for more details.			

Articulation with other UOW Courses

The Graduate Certificate in Occupational Health & Safety articulates with the Master of Science (Occupational Health & Safety). All subjects successfully completed in the Graduate Certificate in Occupational Health & Safety will count as credit towards the Master of Science (Occupational Health & Safety) upon successful transfer to the Masters.

Professional Recognition

The Master of Science (Occupational Health and Safety) has been accredited by the Institution of Occupational Safety & Health (IOSH) in the United Kingdom. For full details on accreditation status please contact the OHS Academic Program Coordinator.

Student Income Support

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

The Master of Science (Occupational Health & Safety) has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

Contact Information

Professor Brian Davies

OHS Academic Program Coordinator

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0407 287 406 (Business hours only)

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

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).

Master of Science (Occupational Hygiene Practice)

Testamur Title:	Master of Science (Occupational Hygiene Practice)
Abbreviation:	MSc(OHP)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part time equivalent
Total Credit Points:	48
Delivery Mode:	Flexible (Block delivery)
Starting Session(s):	3 January & 1 June (Domestic students) 3 January (International students)
Location:	Wollongong
UOW Course Code:	1630
CRICOS Code:	073067K

Overview

The Master of Science (Occupational Hygiene Practice) provides an intensive professional program of study in the area of Occupational Hygiene with the opportunity to develop a specialisation in one or more industry streams such as the mining or oil and gas industries.

Entry Requirements / Assumed Knowledge

The Master of Science program is for those who want to pursue a career in Occupational Hygiene. A 3-year Bachelors degree with at least 1 year of science subjects from a recognised tertiary institution is required for entry. Completion of the Graduate Certificate in Occupational Hygiene Practice with a credit average serves as an alternative basis for entry into the Master of Science (Occupational Hygiene Practice) for applicants who do not have a Bachelors degree.

International students are required to have achieved an IELTS score of 6.5, with a minimum of 6.0 in all bands of reading, writing, speaking and listening. Alternatively, a letter of support from the students' employer indicating their English Language ability must be supplied.

Course Requirements

The Master of Science (Occupational Hygiene Practice) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session +	Credit Points
SHS 974	Measurement of Hazardous Substances	SHS March	6
SHS 980	Epidemiology & Toxicology for OHS Practitioners	SHS March	6
SHS 983	Occupational Hygiene Project	Autumn or Spring	6
SHS 977	Control of Hazardous Substances	SHS September	6
SHS 976	Noise-Measurement & Its Effects	SHS October	6
Plus 18 credit points of elective subjects from the list below:			
SHS 975	Thermal Environment	SHS July	6
SHS 978	Asbestos & Other Fibres	SHS September	6
SHS 979	Ergonomics Essentials	SHS January	6
SHS 981	Occupational Hygiene in the Oil & Gas Industry	SHS July	6
SHS 982	Occupational Hygiene in the Mining Industry	SHS January	6
Note: all subjects, except SHS983, are taught in 5-day block delivery modes which require on-campus attendance. Please consult the OHS academic program website at http://www.uow.edu.au/health/healthsciences/ohspgprogramme for details. + Some subjects are offered in non standard sessions. Please contact the OHS Academic Program Coordinator for more details.			

Articulation with other UOW Courses

The Graduate Certificate in Occupational Hygiene Practice articulates with the Master of Science (Occupational Hygiene Practice). All subjects successfully completed in the Graduate Certificate in Occupational Hygiene Practice will count as credit towards the Master of Science (Occupational Hygiene Practice) upon successful transfer.

Professional Recognition

This course is accredited by the Australian Institute of Occupational Hygienists (AIOH) as meeting the educational requirements for full membership.

This course is also accredited by the British Occupational Hygiene Society (BOHS) for exemption of the Certificate and Diploma core examination offered by the Faculty of Occupational Hygiene. Successful completion of this course counts as 1 year of the experience requirement of the BOHS.

Student Income Support

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

The Master of Science (Occupational Hygiene Practice) has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

Contact Information

Professor Brian Davies
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Other Information

Other information is available at http://coursefinder.uow.edu.au/.

Master of Public Health

Testamur Title:	Master of Public Health
Abbreviation:	MPH
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Varies depending on the streams chosen*
Starting Session(s):	Autumn, Spring
Location:	Wollongong campus
UOW Course Code:	580
CRICOS Code:	009245F**

** International students in Australia on a student visa who are studying onshore cannot enrol in more than 25% of their total course by distance as per ESOS legislation. Please see course requirements for further information.

Overview

Th**e** Master of Public Health is a flexible degree designed to give students a broad introduction to public health while equipping them with the skills and knowledge to define, critically assess and resolve public health issues within a community. The flexible and interest driven program allows students to develop, analyse and implement policy, plan and evaluate health services and programs whilst catering for their individual career goals. The program is structured in a manner that responds to the constantly changing health care issues both at local and international level. The Degree is composed of a core stream of four subjects plus a choice of one of four speciality streams. All four-subject streams (including the core stream) can be taken singly as Graduate Certificates. This allows students to tailor their learning to their career aspirations.

Entry Requirements / Assumed Knowledge

Applicants must hold a Bachelors degree of at least three years duration from a recognised tertiary institution, or equivalent. Applicants with other acceptable qualifications and work experience may be admitted on completion of a designated Graduate Certificate program.

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

Course Requirements

The Master of Public Health requires the successful completion of 48 credit points of subjects in accordance with the tables below.

All students must complete the Public Health Core (24 credit points) and one of the 4 elective streams (24 credit points). Commencing students must consult with the Course Coordinator regarding their choice of elective stream prior to commencement.

All international students are required to enrol in SHS931 Public Health Communication and Data Skills in their first session of study as part of the Public Health Core. For these students, this subject may **only** be replaced by an elective subject with the permission of the Course Coordinator.

Domestic on-campus students who have not completed an Australian degree program within the last ten years may

be advised to enrol in SHS931 Public Health Communication and Data Skills in their first session of study as part of the Public Health Core. They should consult the Course Coordinator. Other domestic on-campus students may enrol in SHS931 **only** with the permission of the Course Coordinator, as a quota applies for this subject.

*** The following streams are available in both on-campus and distance**mode in 2012:**

Core Stream: Public Health

Stream A: Health Promotion

Stream D: Social Marketing for Health

*** The following streams are only available on-campus and are taught in block delivery mode in 2012:**

Stream B: Public Health Nutrition

Stream C: Occupational Health and Safety

Core: Public Health			
Subject Code	**Subject Name**	**Session**	**Credit Points**
SHS 931	Public Health Communication and Data Skills	Autumn or Spring	6
or 6 credit points of an approved elective subject#			
SHS 933	Social Determinants of Health	Autumn	6
SHS 932	Epidemiology	Spring	6
SHS 940	Statistics in Health Research	Spring	6
Note: students who complete the 24 cp of core MPH subjects can apply to graduate with a Graduate Certificate in Public Health.			

International students are required to complete SHS931 in their first session of study and may **not** choose an elective in its place without written permission from the Course Coordinator. Domestic students should seek advice from the Course Coordinator as to whether they should take SHS931 or a 6cp elective.

Stream A: Health Promotion			
Subject Code	**Subject Name**	**Session**	**Credit Points**
SHS 934	Health Promotion	Autumn	6
SHS 935	Public Health Policy	Autumn	6
SHS 930	Health Promotion Competencies	Spring	6
SHS 941	Health Research Methodology	Spring	6
Note: students who complete the 24cp required for Stream A: Health Promotion can apply to graduate with a Graduate Certificate in Health Promotion. Stream A: Health Promotion is available via on-campus or distance delivery mode**. If on-campus mode is selected, normal on-campus attendance is required throughout the academic session.			

** International students in Australia on a student visa who are studying onshore cannot enrol in more than 25% of their total course by distance as per ESOS legislation.

Stream B: Public Health Nutrition			
Subject Code	**Subject Name**	**Session**	**Credit Points**
SHS 936	Public Health Nutrition	Autumn	6
SHS 938	Food and Nutrition Monitoring and Surveillance	Autumn	6
SHS 937	Nutrition Promotion	Spring	6
SHS 939	Food and Nutrition Policy	Spring	6
Note: Students who complete the 24cp required for Stream B: Public Health Nutrition can apply to graduate with a Graduate Certificate in Public Health Nutrition. Stream B: Public Health Nutrition is only available on-campus. All subjects are taught in block delivery mode which requires on-campus attendance for intensive study days. Students normally require a 3 year degree in nutrition, or equivalent, to be eligible to take this stream.			

Stream C: Occupational Health and Safety			
Subject Code	**Subject Name**	**Session**	**Credit Points**
LAW 969	Occupational Health and Safety Law	Autumn	6
SHS 970	Advanced Workplace Injury Management	Autumn	6
SHS 971	OHS Risk Management	Spring	6
SHS 972	Principles of Occupational Hygiene	Spring	6
Note: students who complete the 24cp required for Stream C: Occupational Health and Safety can apply to graduate with a Graduate Certificate in Occupational Health and Safety. Stream C: Occupational Health and Safety is only available on-campus. All subjects are taught in block delivery mode which requires on-campus attendance for intensive study days. Demand for these subjects is high and students wishing to take this Stream should consult with the Course Coordinator as early as possible to determine if vacancies are available.			

Stream D: Social Marketing for Health			
Subject Code	**Subject Name**	**Session**	**Credit Points**
CHIP910	Critical Marketing and Media Analysis	Autumn	6
CHIP911	Social Marketing for Health	Autumn	6
CHIP912	Advanced Studies in Behaviour Change	Spring	6
CHIP913	Social Marketing Practice	Spring	6
Note: students who complete the 24cp required for Stream D: Social Marketing for Health can apply to graduate with a Graduate Certificate in Social Marketing for Health. Stream D: Social Marketing for Health is available via on-campus or distance** delivery mode. Students are not automatically eligible for this Stream and need to consult with the Course Coordinator prior to enrolment.			

** International students in Australia on a student visa who are studying onshore cannot enrol in more than 25% of their total course by distance as per ESOS legislation.

Articulation with Other UOW Courses

The Master of Public Health articulates with the following graduate certificates:

- Graduate Certificate in Public Health
- Graduate Certificate in Health Promotion
- Graduate Certificate in Public Health Nutrition
- Graduate Certificate in Occupational Health and Safety
- Graduate Certificate in Social Marketing for Health

Students who commence studies in one of the Graduate Certificates above may apply to progress into the MPH program. All subjects successfully completed in the relevant Graduate Certificate will count as credit towards the Master of Public Health upon successful transfer to the Masters degree.

For students who enter directly into the MPH program, there are several potential exit points prior to completion of the full MPH program, depending on which subjects have been completed. The core MPH subjects and streams each equate directly to a Graduate Certificate qualification. Students wishing to exit the MPH prior to completion of the required 48cp points may do so in accordance with the Core or Stream tables listed above by applying to transfer to the corresponding Graduate Certificate. Students who are considering exiting the MPH program early should discuss this with the Course Coordinator.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Public Health Advanced

Testamur Title:	Master of Public Health Advanced
Abbreviation:	MPHAdv
Home Faculty:	Health and Behavioural Sciences
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Varies depending on stream chosen; refer to streams in the MPH for details
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1619
CRICOS Code:	072569G

Overview

The Master of Public Health (Advanced) is offered to high achieving Master of Public Health students to provide an opportunity to develop research or professional practice skills that complement their coursework program. Students can work with researchers on current research initiatives or can be placed in health organisations. These opportunities are designed to develop independent professional skills that will either support higher level research and/or advanced practice in a designated public health area.

Entry Requirements / Assumed Knowledge

Applicants normally apply to transfer into the MPHAdv in the final session of their MPH program. A minimum of a credit average in the MPH subjects is required, together with the availability of an appropriate academic supervisor. Direct entry into this course is not available.

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

Course Requirements

The Master of Public Health Advanced requires the successful completion of 72 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
SHS 942	Major Project	Autumn, Spring, Annual	24
Completed Master of Public Health program			48

Articulation with other UOW Courses

The Master of Public Health articulates with the Master of Public Health (Advanced). All subjects successfully completed in the Master of Public Health will count as credit towards the Master of Public Health (Advanced) upon successful transfer.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Dementia Care

Testamur Title:	Graduate Certificate in Dementia Care
Abbreviation:	GCertDementiaCare
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time*
Total Credit Points:	24
Delivery Mode:	Flexible or Distance (Distance includes optional “value-add” face-to-face workshop days)
Starting Session:	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1176
CRICOS Code:	N/A

* Please note: The duration of the GCertDementiaCare for students enrolled under a Sponsorship program may vary

from the time frame outlined above and will be managed in accordance with the terms of the relevant Sponsorship Agreement.

Overview

The Graduate Certificate in Dementia Care is a clinically-focussed program that prepares practitioners for advanced professional practice and initiating innovation in the specialist field of dementia.

The course will provide graduates with skills and advanced knowledge in the care of people with dementia. Students will have the opportunities to build on existing knowledge and use work-based learning to enhance client care and service delivery in the multi-disciplinary environment.

Entry Requirements / Assumed Knowledge

A 3 year Bachelors degree in a health-related discipline or equivalent is required for entry. Applicants who hold professional qualifications in a health-related discipline will also be considered.

Course Requirements

The Graduate Certificate in Dementia Care requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB959	Innovation and Change: Tools for Practice and Development*	Autumn	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB958	Advancements in Dementia Care	Spring	6

*This subject is available via Flexible delivery only, which requires some on-campus attendance for study days. Students who are studying by Distance will need to seek advice from the Program Coordinator about a suitable alternative subject.

Articulation with other UOW Courses

The Graduate Certificate in Dementia Care articulates with the Master of Science (Dementia Care). All subjects successfully completed in the Graduate Certificate in Dementia Care will count as credit towards the Master of Science (Dementia Care) upon successful transfer.

The Master of Science (Dementia Care) requires completion of an additional 24 credit points of elective subjects at 900-level from the School of Nursing, Midwifery and Indigenous Health or the School of Health Sciences.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Gerontology and Rehabilitation Studies

Testamur Title:	Graduate Certificate in Gerontology and Rehabilitation Studies
Abbreviation:	GCertG&RS
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1165
CRICOS Code:	N/A

Overview

The Graduate Certificate in Gerontology and Rehabilitation Studies is designed to provide opportunities for practitioners working with older people or clients with rehabilitation needs to enhance their knowledge and clinical skills in relevant areas. The focus of the course is on enabling practitioners to prepare for new roles related to clinical leadership, management, education or research, in the area of aged and rehabilitation care. The course provides an environment for multi-disciplinary colleagues to share best practice in addressing the challenges of implementing

evidence-based practice, delivering new policy initiatives and promoting user and carer involvement in care delivery.

Entry requirements/ Assumed knowledge

A Professional Certificate in a health-related discipline is required for entry.

Course Requirements

The Graduate Certificate in Gerontology and Rehabilitation requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Autumn	6
GHMB950	Reflective Practice 1	Autumn/Spring	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6

Contact information

Ms Joanne Joyce-McCoach
Postgraduate Coordinator
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joanne_joyce@uow.edu.au

Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Health Leadership and Management

Testamur Title:	Graduate Certificate in Health Leadership and Management
Abbreviation:	GCertHLM
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On-campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1163
CRICOS Code:	N/A

Overview

This is a course for health professionals including Nurses, Midwives, Allied Health and Medical Practitioners and other health leaders/managers.

It provides opportunities to:

- Understand and practice the skills of effective leadership
- Explore the skills of the effective manager
- Enhance skills of reflection
- Discover the value of coaching skills in healthcare practice

On completion of this course, health professionals will feel confident about their contribution to the challenges they are presented with in their clinical practice and be able to facilitate change through leadership.

Entry Requirements / Assumed Knowledge

All applicants must have a recognised Bachelor's Degree in a health discipline OR equivalent.

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

Course Requirements

The Graduate Certificate in Health Leadership and Management requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB902	Effective Management in Health	Autumn/ Spring	6
GHMB925	Effective Leadership in Health	Spring	6
GHMB926	Coaching Skills for Healthcare Leaders	Autumn	6
GHMB950	Reflective Practice 1	Autumn/ Spring	6

Credit Arrangements and Articulation with other UOW Courses

The Graduate Certificate in Health Leadership and Management articulates with the Master of Science (Health Leadership and Management), Master of Nursing, and Master of Nursing (Mental Health). All subjects successfully completed in the Graduate Certificate in Health Leadership and Management will count as credit towards the chosen Masters degree upon successful transfer.

Students can apply to transfer from the Graduate Certificate in Health Leadership and Management to other Masters courses not listed above, and may receive full credit for all subjects successfully completed in the Graduate Certificate in Health Leadership and Management provided that they have not graduated from the Graduate Certificate.

Please consult the Program Coordinator for information about these options.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Health Practice Development & Facilitation

Testamur Title:	Graduate Certificate in Health Practice Development & Facilitation
Abbreviation:	GCertHlthPracDevFac
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Flexible
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1182
CRICOS Code:	N/A

Overview

The Graduate Certificate in Health Practice Development and Facilitation will provide graduates with the opportunity to apply theoretical and practical aspects of practice development and to develop the required facilitation and education skills for practice development.

This is a clinically-focussed program that will have opportunities to build on existing knowledge and use work-based learning to promote positive learning opportunities and enhance client care, team working and service delivery in the multi-disciplinary environment.

It is anticipated that participants will already be employed in health services roles and are using or wishing to use practice development and facilitation. This program will enhance their capabilities by providing graduates with the knowledge and skills that prepares candidates for career progression into senior clinical, management, teaching and research roles.

Entry Requirements / Assumed Knowledge

A Bachelors degree in a health related discipline or equivalent is required for entry. Other professional qualifications in a health related discipline may be acceptable for entry, in consultation with Course Coordinator.

Course Requirements

The Graduate Certificate in Health Practice Development and Facilitation requires the successful completion of 24 credit point of subjects in accordance with the table below.

There are 3 core subjects (18 credit points) that are compulsory; the remaining subject (6 credit points) is an elective subject chosen in consultation with the Course Coordinator.

Subject Code	Subject Name	Session	Credit Points
GHMB959	Innovation and Change: Tools for Practice Development	Autumn	6
GHMB950	Reflective Practice 1	Autumn/Spring	6
GHMB960	Facilitation and Education Skills for Practice Development	Spring	6
PLUS 6 a credit point elective subject from the list below, chosen in consultation with the Course Coordinator			
CHBC918	Critical Appraisal	Spring	6
CHIP915	Essential Skills for Health Researchers	Autumn	6
GHMB951	Reflective Practice 2	Autumn/Spring	6

Contact Information

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Course Coordinator
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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Health Research

Testamur Title:	Graduate Certificate in Health Research
Abbreviation:	GCertHlthRes
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Flexible
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1171
CRICOS Code:	N/A

Overview

This course provides a solid introduction to understanding and conducting health-related research. The core subjects provide grounding in the key skills needed to read, interpret and evaluate published research; to develop and implement a health research project; to evaluate health-related outcomes; and to apply learning about research frameworks and methods to questions experienced in the students' workplace and social environment.

The course fosters excellence in teaching and learning by undertaking an innovative approach to student scholarship, with academics, other professionals and student participation contributing to the creation of a student friendly course that has been designed to be responsive to the individual student's need and to encourage collaboration and active participation in the learning experiences.

This course is suitable for students preparing to undertake higher degree research studies as well as those wishing to develop fundamental research skills for professional practice.

Entry Requirements / Assumed Knowledge

A Bachelor degree of at least three years duration from a recognised tertiary institution (or equivalent) is required for entry.

Course Requirements

The Graduate Certificate of Health Research requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
CHIP915	Essential Skills for Health Researchers	Autumn	6
CHBC918	Critical Appraisal	Spring	6
GHMB950	Reflective Practice 1	Autumn/ Spring	6
CHIP916	Applied Analysis in Health Research	Autumn	6

Changes to subject selection and availability have occurred in 2012. Please contact the Course Coordinator for more details.

Contact Information

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Course Coordinator

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Indigenous Health

Testamur Title:	Graduate Certificate in Indigenous Health
Abbreviation:	GCertIndHealth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1114
CRICOS Code:	N/A

Overview

The Graduate Certificate in Indigenous Health is currently delivered through distance education. The course provides students with the knowledge and skills to effectively address Indigenous community health, community development, and cultural issues in relation to Indigenous Health.

Entry Requirements / Assumed Knowledge

A Bachelors degree of at least 3 years duration from a recognised tertiary institution or undergraduate diploma or equivalent. Recognition is also given for relevant workplace experience and prior learning.

Course Requirements

The Graduate Certificate in Indigenous Health requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB940	Indigenous Family Studies	Autumn	6
GHMB943	Health and Human Ecology	Autumn	6
GHMB941	Indigenous Health Patterns	Spring	6
GHMB944	Community Resource Planning	Spring	6

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Mental Health Nursing

Testamur Title:	Graduate Certificate in Mental Health Nursing
Abbreviation:	GCertMntlHlthNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On-Campus, Distance
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1124
CRICOS Code:	N/A

Overview

The Graduate Certificate in Mental Health Nursing is designed for practitioners in the specialty of mental health nursing and for experienced mental health nurses.

Entry Requirements / Assumed Knowledge

A Bachelors degree in Nursing of at least 3 years duration from a recognised tertiary institution or qualifications to practice as a Registered Nurse or equivalent is required for entry.

Course Requirements

The Graduate Certificate in Mental Health Nursing requires the successful completion of 24 credit points of subjects in accordance with the table below.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases under the Additional Information Section.

Subject Code	Subject Name	Session	Credit Points
GHMB989	Mental Health Nursing: Clinical Principles & Practice	Annual	12
GHMB934	Assessment and Diagnosis in Mental Health*	Autumn	6
Or			
GHMB935	Case Management in Mental Health*	Spring	6
GHMB950	Reflective Practice 1	Autumn or Spring	6

***** students choose the appropriate subject in accordance with their starting session

Contact Information

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Postgraduate Coordinator
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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Nursing

Testamur Title:	Graduate Certificate in Nursing
Abbreviation:	GCertNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	6 months full-time or part-time equivalent*
Total Credit Points:	24
Delivery Mode:	Varies depending on the subjects chosen**
Starting Session(s):	Autumn, Spring
Location:	Wollongong (Majors will require some travel to Sydney Hospital)
UOW Course Code:	1112
CRICOS Code:	065469C***

* Majors are currently under review – new students may not be admitted to majors in 2012.

** International students in Australia on a student visa who are studying onshore cannot enrol in more than 25% of their total course by distance as per ESOS legislation.

*** Majors are only available on a part-time basis and so are not available to international students on student visas.

Overview

The Graduate Certificate in Nursing is a short, focused course having both academic and industry relevance. It is designed to give students the flexibility to choose subjects that allow professional development to occur in tandem with academic rigour. Candidates may exit following completion of the required subjects, having acquired advanced knowledge in their chosen fields and having been prepared for advanced practice.

Entry Requirements / Assumed Knowledge

A Bachelor degree in Nursing of at least three years duration from a recognised tertiary institution or a qualification to practice as a Registered Nurse or equivalent is required for entry.

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

Course Requirements

The Graduate Certificate in Nursing requires the successful completion of 24 credit points of subjects in accordance with the table listed below.

The Graduate Certificate of Nursing may allow access to four majors in addition to the General Nursing program. These majors are taught in conjunction with Sydney Hospital and will require travel to Sydney for some of the specialised subjects.

Note that the majors are currently under review during 2012 and may not be available to new students. Please consult the Postgraduate Coordinator for further advice prior to applying for a major.

General Nursing Program

Students complete 24 credit points from the table below, at least 12 credit points of which must be from the Nursing, Midwifery and Indigenous Health subjects.

Subject Code	Subject Name	Session	Credit Points
Nursing, Midwifery and Indigenous Health Subjects			
GHMB939	Alcohol and Other Drug Studies	Autumn	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Autumn	6
GHMB902	Effective Management in Health	Autumn or Spring	6
GHMB925	Effective Leadership in Health	Spring	6
GHMB926	Coaching Skills for Healthcare Leaders	Autumn	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB923	Legal and Professional Issues	Spring	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
GHMB903	Scientific and Qualitative Development in Acute Care Nursing	Not available in 2012	6
GHMB906	Acute Care Nursing; Reflections on Practice	Not available in 2012	6
School of Health Sciences Subjects			
SHS 933	Social Determinants of Health	Autumn	6
SHS 934	Health Promotion	Autumn	6
SHS 936	Public Health Nutrition	Autumn	6
SHS 931	Public Health Communication and Data Skills	Autumn or Spring	6
SHS 932	Epidemiology	Spring	6

Ophthalmology Major

Not currently available.

Sexual Health Major

Not currently available.

Infection Control Major

Not currently available.

Hand Management, Therapy and Rehabilitation Major

Not currently available.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/.

Graduate Certificate in Practice Nursing

Testamur Title:	Graduate Certificate in Practice Nursing
Abbreviation:	GCertPractNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On campus
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1150
CRICOS Code:	N/A

Overview

This course is aimed at registered nurses working within general practice. It aims to inform the course participants of the sociological, economic and political aspects of general practice, as well as foster best practice principles in relation to clinical nursing practice within the general practice context.

This course has a strong emphasis on clinical skill development and decision-making within general practice. The development of this course has been in association with divisions of general practice and practice nurses both nationally and internationally.

Entry Requirements / Assumed Knowledge

Applicants must be a Registered Nurse within Australia, preferably currently employed as a practice nurse. However, Registered Nurses who are not currently employed as a practice nurse may enrol upon advice from the Course Coordinator.

Course Requirements

The Graduate Certificate in Practice Nursing requires the successful completion of 24 credit points in accordance with the table below.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases under the Additional Information Section.

Subject Code	Subject Name	Session	Credit
GHMB938	Practice Nursing	Annual	6
GHMB937	Context of General Practice	Autumn	6
GHMB950	Reflective Practice 1	Autumn	6
GHMB902	Effective Management in Health	Spring	6

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Graduate Certificate in Social Marketing for Health

Testamur Title:	Graduate Certificate in Social Marketing for Health
Abbreviation:	GCertSocMarkHlth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	Flexible, Distance*
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1172
CRICOS Code:	N/A

Overview

This course provides all the skills needed by students wanting to pursue a career in social marketing in a health related agency, or to pursue social marketing interventions as a practical way to approach a health problem. The core

subjects provide grounding in the key skills needed in the process of planning, implementing and evaluating social marketing programs in public health; understanding health behaviour change theories in order to design a theoretically sound program to effect behaviour change; understanding the impact of mass media on health and social behaviour; and identifying issues or problems in public health and devising a strategy or resource to address them.

The course fosters excellence in teaching and learning by undertaking an innovative approach to student scholarship, with academics, other government, non-government and not-for-profit organisations and student participation contributing to the creation of a student-friendly course that has been designed to be responsive to the individual student's need, as well as the needs of the relevant organisations who demonstrate a growing interest in the use of social marketing to approach public health problems, and to encourage collaboration and active participation in the learning experiences.

This course is suitable for students preparing to undertake higher degree research studies as well as those wishing to develop fundamental research skills for professional practice.

Entry Requirements / Assumed Knowledge

A Bachelor degree of at least three years duration from a recognised tertiary institution, or equivalent (including work experience deemed equivalent) is required for entry.

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

Note that this course is not available to International students in Australia on a student visa who are studying onshore, as the structure of the course does not meet requirements for CRICOS registration. However, the content of the course is highly appropriate for students who are working overseas in health roles, particularly those working in developing countries or working for NGOs. These students may complete the course from their home country via Distance study provided that they can arrange a suitable clinical placement to meet the requirements of CHIP913. Advice and agreement on the suitability of the clinical placement must be sought from the Course Coordinator prior to entering the course.

Course Requirements

The Graduate Certificate in Social Marketing for Health requires the successful completion of 24 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
CHIP910	Critical Marketing and Media Analysis	Autumn	6
CHIP911	Social Marketing for 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. Distance students must seek advice from the Course Coordinator regarding the suitability of the proposed clinical placement.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Health Leadership and Management

Testamur Title:	Master of Health Leadership and Management
Abbreviation:	MHlthLeadMgmt
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn, Spring
Delivery Mode:	On-campus
Location:	Wollongong
UOW Course Code:	1567
CRICOS Code:	059753E

Overview

This course is designed for practicing health professionals seeking to develop their management and leadership skills.

This flexible program allows students to select from a variety of Graduate Certificate degrees and tailor their Masters program to suit their professional development requirements.

Entry Requirements

Students can enter the Master of Health Leadership and Management degree via either of the pathways detailed below:

Applicants with a Bachelor degree of at least three years duration from a recognised tertiary institution or equivalent, together with a minimum of two years full-time relevant work experience can apply to enter directly into the Master of Health Leadership and Management. Upon commencement of the degree, students will nominate two Graduate Certificate degrees within the course structure.

Alternatively, applicants may apply to enrol in one of the Graduate Certificate degrees listed within the MHLM course structure, provided they meet the entry requirements as specified for this Graduate Certificate by the relevant Faculty. Upon successful completion of the Graduate Certificate with an average mark of at least 60 per cent, students may apply to progress to the Master of Health Leadership and Management with credit for previous studies completed.

Course Requirements

The Master of Health Leadership and Management requires the successful completion of 48 credit points of subjects in accordance with two of the Graduate Certificates listed below.

Students who enrol directly into the Master of Health Leadership and Management will be required to meet with the Course Co-ordinator and discuss which two of the graduate certificate programs will comprise the course.

Students who enrol initially in one of the Graduate Certificate degrees listed below will be eligible to articulate into the Master of Health Leadership and Management upon successful completion with an average mark of at least 60 percent. Students who apply to articulate to the Master of Health Leadership and Management are required to complete a further 24 credit points of subjects in accordance with a second graduate certificate listed below.

At least one of the graduate certificate programs must be chosen from those offered by the Faculty of Health and Behavioural Sciences. As leadership is a core component of this program, students must either complete the Graduate Certificate in Health Leadership and Management OR successfully complete the subject TBS903 Managing People in Organisations within one of the other Graduate Certificates.

Faculty of Health and Behavioural Sciences

Graduate Certificate in Health Leadership and Management

Graduate Certificate in Health Practice Development and Facilitation

Graduate Certificate in Health Research

Sydney Business School

Graduate Certificate in Business Administration

Graduate Certificate in Logistics

Graduate Certificate in Management

Faculty of Informatics

To be advised.

Credit Arrangements and Articulation with other UOW Courses

The Graduate Certificates listed above articulate with the Master of Health Leadership and Management. Students who commence at Graduate Certificate level are required to successfully complete the first Graduate Certificate with an average mark of at least 60 percent to become eligible to apply to articulate to the Masters of Health Leadership and Management. All subjects successfully completed in the first Graduate Certificate will count as credit towards the Master of Health Leadership and Management upon successful transfer.

Note that subjects completed in the first graduate certificate degree cannot be used as a basis for credit toward the second graduate certificate in order to reduce the total number of credit points to less than 48 for the Masters.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Indigenous Health

Testamur Title:	Master of Indigenous Health
Abbreviation:	MIndHealth
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Distance*
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1618
CRICOS Code:	N/A

Overview

The Master of Indigenous Health is currently delivered through distance education. The course provides students with knowledge and skills to effectively address Indigenous community health, community development, and cultural issues in relation to Indigenous health.

Entry Requirements / Assumed Knowledge

A Bachelors degree of at least 3 years duration or Graduate Diploma (or equivalent) from a recognised tertiary institution is required for entry. Recognition may be given for relevant work experience and prior learning.

Course Requirements

The Master of Indigenous Health requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB940	Indigenous Family Studies	Autumn	6
GHMB943	Health and Human Ecology	Autumn	6
GHMB941	Indigenous Health Patterns	Spring	6
GHMB944	Community Resource Planning	Spring	6
Plus 24 credit points of subjects as per the list below:			
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB952	Special Topic	Not available in 2012	12
Or 24 credit points of research as per the following subject:			
GHMB997	Major Project*	Annual	24

* for students who elect to take GHMB997 Major Project, on-campus attendance to consult with the research project supervisor will be negotiated as needed.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/.

Master of Nursing

Testamur Title:	Master of Nursing
Abbreviation:	MNurs
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus
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 a combination of coursework and a major project.

The aims of the program are to prepare candidates with beginning competence in research methods and design and provide candidates with important current evidence based health care and nursing information. The main objectives are to provide an academic avenue for professional development, knowledge and comprehension of research methods and design, and of evidence based practice.

Entry Requirements / Assumed Knowledge

A Bachelors degree in Nursing of at least 3 years duration or a Graduate Certificate in Nursing from a recognised tertiary institution is required for entry.

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

Course Requirements

The Master of Nursing requires the successful completion of 48 credit points of subjects in accordance with the table below.

The program may consist entirely of coursework, or may be a combination of coursework and a major project. There are 24 credit points of core subjects that all students must complete. The remaining 24 credit points can be made up from the elective subjects or the student may elect to complete their program by undertaking a research project (Major Project).

Subject Code	Subject Name	Session	Credit Points
Core Subjects			
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB951	Reflective Practice 2	Autumn or Spring	6
GHMB923	Legal and Professional Issues	Spring	6
SHS 941	Public Health Research Methodology	Spring	6
Elective Subjects – Coursework **Selection of elective subjects to be made in consultation with the Course Coordinator.**			
GHMB954	Studies in Alcohol & Other Drugs	Autumn	6
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Autumn	6
SHS 933	Social Determinants of Health	Autumn	6
SHS 934	Health Promotion	Autumn	6
SHS 936	Public Health Nutrition	Autumn	6
GHMB902	Effective Management in Health	Autumn or Spring	6
GHMB925	Effective Leadership in Health	Spring	6
GHMB926	Coaching Skills for Healthcare Leaders	Autumn	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
SHS 932	Epidemiology	Spring	6
GHMB903	Scientific and Qualitative Development in Acute Care Nursing	Not available in 2012	6
GHMB906	Acute Care Nursing: Reflections on Practice	Not available in 2012	6

Students who elect to undertake research enrol in:			
GHMB997	Major Project	Annual	24

Candidates must also complete on-line TCHR021 Statistical Literacy or demonstrate statistical literacy as a pre-requisite for enrolling in SHS 941.

Articulation Arrangements

The Graduate Certificate in Nursing articulates in to the Master of Nursing. Students intending to articulate into the Masters should complete the core subjects listed for the Masters. These subjects, once successfully completed in the Graduate Certificate in Nursing, will count as credit towards the Master of Nursing upon successful transfer to the Masters.

Students are required to complete an additional 24 credit points of elective subjects at 900-level from the School of Nursing, Midwifery and Indigenous Health or the School of Health Sciences in accordance with the table above to complete the Masters degree.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Nursing (Mental Health)

Testamur Title:	Master of Nursing (Mental Health)
Abbreviation:	MNurs(MntlHlth)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1634
CRICOS Code:	073211G

Overview

The Master of Nursing (Mental Health) is designed for both practitioners commencing in the specialty of mental health nursing, and experienced Mental Health and Drug and Alcohol Nurses.

Entry Requirements / Assumed Knowledge

A Bachelors degree in Nursing of at least 3 years duration from a recognised tertiary institution or successful completion of the Graduate Certificate in Mental Health Nursing, and qualification to practise as a Registered Nurse are required for entry.

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

Course Requirements

The Master of Nursing (Mental Health) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases under the Additional Information Section.

Subject Code	Subject Name	Session	Credit Points
GHMB989	Mental Health Nursing: Clinical Principles and Practice	Annual	12
GHMB932	Principles and Practice of Psychosocial Rehabilitation	Autumn	6
GHMB934	Assessment and Diagnosis in Mental Health	Autumn	6
GHMB954	Drug and Alcohol Studies	Autumn	6
GHMB902	Effective Management in Health	Spring	6
GHMB935	Case Management in Mental Health	Spring	6
GHMB950	Reflective Practice 1	Spring	6

Student Income Support

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

The Master of Nursing (Mental Health) has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/.

Master of Science (Dementia Care)

Testamur Title:	Master of Science (Dementia Care)
Abbreviation:	MSc
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus, Distance*
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1626
CRICOS Code:	073060F*

* International students in Australia on a student visa who are studying onshore cannot enrol in more than 25% of their total course by distance as per ESOS legislation.

Overview

The Master of Science (Dementia Care) is a clinically-focussed program that prepares practitioners for advanced professional practice and initiating innovation in the specialist field of dementia.

The course will provide graduates with skills and advanced knowledge in the care of people with dementia. Students will have the opportunities to build on existing knowledge and use work-based learning to enhance client care and service delivery in the multi-disciplinary environment.

Entry Requirements / Assumed Knowledge

A 3 year Bachelors degree from a recognised tertiary institution in a health-related discipline, or equivalent, is required for entry.

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

Course Requirements

The Master of Science (Dementia Care) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB959	Innovation and Change: Tools for Practice and Development*	Autumn	6
GHMB950	Reflective Practice 1	Autumn or Spring	6
GHMB958	Advancements in Dementia Care	Spring	6
Plus 24 credit points of elective subjects at 900-Level from the School of Nursing, Midwifery and Indigenous Health or the School of Health Sciences			24

*This subject is available on-campus only. Domestic students who are studying by Distance will need to seek advice from the Program Coordinator about a suitable alternative subject.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Science (Gerontology and Rehabilitation Studies)

Testamur Title:	Master of Science (Gerontology and Rehabilitation Studies)
Abbreviation:	MSc(GerenRehabStud)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Flexible or Distance*
Starting Session(s):	Autumn, Spring
Location:	Wollongong
UOW Course Code:	1627
CRICOS Code:	073064B*

* International students in Australia on a student visa who are studying onshore cannot enrol in more than 25% of their total course by distance as per ESOS legislation.

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 3 year Bachelors degree from a recognised tertiary institution (or equivalent) or successful completion of a Graduate Certificate in a related discipline is required for entry. Consideration will be given to health professionals who do not hold any diplomas or the degrees listed above on a case-by-case basis.

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

Course Requirements

The Master of Science (Gerontology and Rehabilitation Studies) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
Core subjects			
GHMB955	Dementia Care Across Settings	Autumn	6
GHMB956	Policy and Practice in the Care of Older People	Autumn	6
GHMB950	Reflective Practice	Autumn/Spring	6
GHMB957	Rehabilitation: Concepts and Practice	Spring	6
Elective subjects			
24 credit points at 900-level chosen from Nursing, Midwifery and Indigenous Health and Health Sciences subjects.			24

Contact information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Science (Midwifery)

Testamur Title:	Master of Science (Midwifery)
Abbreviation:	MSc(Midw)
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1628
CRICOS Code:	073065A

Overview

The Master of Science (Midwifery) program enables Registered Nurses to undertake the theory and clinical experience required to be eligible to apply for registration as a Midwife with the Nursing and Midwifery Board of Australia. The program aims to provide graduates with skills and advanced knowledge to provide continuing care for the woman, her infants, and family during the reproductive phase of her lifespan. During the program, the exploration and clarification of evidence-based midwifery practice is emphasised.

Entry Requirements / Assumed Knowledge

All students undertaking the Master of Science (Midwifery) program for registration as a Midwife in Australia must be authorised to practice as a Registered Nurse by the Nursing and Midwifery Board of Australia prior to commencing the program.

Registered Midwives with the Nursing and Midwifery Board of Australia who wish to further their qualifications can undertake the program and be given advanced standing for the clinical component of the degree. International students who are Registered Midwives in their own countries are not eligible for registration with the Nursing and Midwifery Board of Australia on the basis of completion of the theoretical component of the program alone.

All applications are assessed by staff within SNMIH for suitability to undertake the program; a Bachelor of Nursing Degree or equivalent is expected. All applications must be approved by the Associate Head of School.

Applicants required to provide evidence for equivalency for a Bachelor of Nursing degree are reviewed using the following criteria:

- Registered Nurse with a Bachelor degree in a discipline other than nursing;
- Registered Nurse with a Diploma in a discipline other than nursing;
- Registered Nurse with a Graduate Certificate in a discipline other than nursing; or
- A portfolio demonstrating evidence of further education including:
    - Vocational Education Training Accreditation Board (VETAB);
    - A program of study at the College of Nursing;
    - Workplace based educational programs and/or certificates.

For applicants who are Registered Nurses and/or Registered Midwives but do not hold a three-year Bachelor of Nursing or equivalent as listed, consideration for entry to the Master of Science (Midwifery) may be given on a case-

by-case basis. Applicants in this category are encouraged to contact the Course Coordinator to discuss their eligibility for the degree.

The Master of Science (Midwifery) is available to International students. International students who are not registered midwives in their own country must obtain temporary registration as a nurse in Australia through the Nursing and Midwifery Board of Australia in order to undertake the clinical subjects.

For international students who are registered midwives in their own country, advanced standing may be awarded for the clinical subjects in recognition of their clinical experiences overseas. However, in accepting any such advanced standing, students must be aware that the Nursing and Midwifery Board of Australia will not recognise this advanced standing for the purpose of registering as a midwife in Australia. International students intending to register and work as midwives in Australia must complete the full 48 credit point program for the Master of Science (Midwifery) as listed in the Course Program below.

International students are also required to have achieved an overall IELTS score of 7.0, with a minimum level of 7.0 in all bands of reading and writing, speaking and listening.

Visit http://www.nursingmidwiferyboard.gov.au/ for further details regarding registration eligibility and requirements for nurses and midwives in Australia.

Course Requirements

The Master of Science (Midwifery) requires the successful completion of 48 credit points of subjects in accordance with the table below. These subjects incorporate mandatory clinical experience. Students are required to complete the clinical experience in order to demonstrate that they meet the Nursing and Midwifery Board of Australia of Australia pre-requisite for registration. For details of these requirements, please seek advice from the Course Coordinator.

In order to attend clinical placements, students must meet NSW Health Department requirements in regard to Criminal Record Checks and Infectious Disease. For further information on Criminal Record Checks and Infectious Diseases please see the Additional Information Section.

Full-time Study Pattern

Subject Code	Subject Name	Session	Credit Points
GHMB911	Midwifery Practice 1*	Autumn	4
GHMB914	Art & Science of Midwifery 1	Autumn	6
GHMB916	Human Reproduction	Autumn	6
GHMB950	Reflective Practice 1	Autumn	6
GHMB912	Midwifery Practice 2*	Spring	4
GHMB915	Art & Science of Midwifery 2	Spring	6
GHMB917	Midwifery in the Social Context	Spring	6
GHMB923	Legal and Professional Issues	Spring	6
GHMB913	Midwifery Practice 3*	Summer	4

* Clinical subjects

Part-time Study Pattern

Students need to consult with the Course Coordinator before enrolling in the Part-time Study Pattern to ensure that clinical placement requirements are discussed and adequately planned for.

Subject Code	Subject Name	Session	Credit Points
YEAR 1			
GHMB916	Human Reproduction	Autumn	6
GHMB950	Reflective Practice 1	Autumn	6
GHMB917	Midwifery in the Social Context	Spring	6
GHMB923	Legal and Professional Issues	Spring	6
YEAR 2			
GHMB911	Midwifery Practice 1*	Autumn	4
GHMB914	Art & Science of Midwifery 1	Autumn	6
GHMB912	Midwifery Practice 2*	Spring	4
GHMB915	Art & Science of Midwifery 2	Spring	6
GHMB913	Midwifery Practice 3*	Summer	4

Professional Recognition

Graduates are eligible to apply for registration as Registered Midwives with the Nursing and Midwifery Board of Australia.

Student Income Support

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

oriented masters programs.

The Master of Science (Midwifery) has been approved by DEEWR as an eligible Masters program for Student Income Support.

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

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Doctor of Psychology (Clinical)

Testamur Title:	Doctor of Psychology (Clinical)
Abbreviation:	DPsyc (Clin)
Home Faculty:	Health and Behavioural Sciences
Duration	3.5 years full-time or part-time equivalent
Total Credit Points:	168
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	208
CRICOS Code:	027469G

Overview

The Doctor of Psychology (Clinical) aims to provide students with a comprehensive understanding of the principles governing psychological assessment and therapy and the clinical skills required to assess and treat a wide variety of psychological disorders in children, adolescents and adults. This course equips students with advanced skills and knowledge relevant to the practice of clinical psychology. The course also includes advanced training in the design, execution, and writing up of a research project that focuses on an issue that is relevant to clinical psychology theory or practice. Teaching methods include mandatory face to face classes, an occasional week-end workshop, and supervised clinical practicum at the University Clinic and at external placements.

The program equips postgraduates with clinical and research knowledge, and skills superior to those acquired at the professional Masters level. The research component of the program is principally focused on applied clinical psychology research leading to a doctoral level research thesis.

Entry Requirements / Assumed Knowledge

Places in this course are limited and will be based on academic merit and personal suitability.

Candidates must have a superior Honours degree in Psychology of at least four years duration of Class II, Division 1 standard or higher. Direct entry is very competitive and successful applicants will typically also be recipients of a higher degree research scholarship. Selection for entry is based on academic record, a research proposal, two referee's reports, relevant practical experience and a personal statement. Short-listed candidates are also subject to a selection interview. Candidates in the MPsyc (Clin) may apply to transfer to this course at the completion of Year 1. For entry details consult www.uow.edu.au/health/psyc.

International students must demonstrate that they have achieved an IELTS score of 7.0 overall, with at least 7.0 in all bands of reading and writing, speaking and listening. In addition, international applicants must have a degree in psychology that is equivalent to an Australian 4-year sequence of psychology. International applicants must have their qualifications assessed by the Australian Psychological Society (APS) for equivalence and provide this evidence in their application (see: www.psychology.org.au/membership/qualifications/).

This course includes a compulsory clinical placement. In order to attend clinical placements, students must meet NSW Health Department requirements in regard to Criminal Record Checks and Infectious Disease. Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases in the Additional Information section.

Course Requirements

In addition to coursework and practicum requirements, candidates will be required to successfully complete a supervised research program on a topic that is consistent with key research interests of the School of Psychology or the Illawarra Institute for Mental Health.

Subject Code	Subject Name	Session	Credit Points
GHMC920	Psychotherapy of Personality Disorders	Autumn	4
GHMC951	Child and Adult Assessment and Psychopathology	Autumn	8
GHMC952	Principles of Psychotherapy	Autumn	8
GHMC955	Health and Wellbeing	Autumn	8
GHMC921	Clinical Supervision and Practice	Spring	4
GHMC953	Neuropsychology and Neuropsychiatric Disorders	Spring	8
GHMC954	Cognitive Behavioural Therapies	Spring	8
GHMC956	Special Groups and Methods	Spring	8
PSYP901	Research Project A, Part 1	Autumn	8
PSYP902	Research Project A, Part 2	Spring	8
THES916	Research Thesis Part Time	Autumn/Spring	16
or			
PSYP903	Research Project B Part 1	Autumn	16
THES924	Research Thesis Full Time	Autumn/Spring	24

Professional Recognition

This program is accredited by the Australian Psychology Accreditation Council (APAC) for Registration as a Psychologist, and as a qualifying degree for endorsement in Clinical Psychology. The program is also approved by the APS College of Clinical Psychologists as part of the requirements for full membership.

Other Information

For further information visit: http://www.uow.edu.au/health/psyc/pgcourses and/or http://coursefinder.uow.edu.au/

Graduate Diploma of Professional Psychology

Testamur Title:	Graduate Diploma of Professional Psychology
Abbreviation:	GradDipProfPsych
Home Faculty:	Health and Behavioural Sciences
Duration	1 year full time
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1535
CRICOS Code:	N/A

Overview

The primary aim of the Graduate Diploma of Professional Psychology, offered by the School of Psychology, is to sufficiently prepare candidates for a final year of supervised internship in the field of psychological practice prior to full registration as generalist psychologists. The course represents the fifth year component of the 5+1 route to registration with the Psychology Board of Australia (PBA) as a generalist psychologist. The course provides one year of full time education in the professional practice of psychology that:

a) forms the foundation for professional practice;

b) takes an evidence-based approach and is based on the scientist-practitioner model;

c) is broad and generalist in nature; and

d) covers the core professional attributes and capabilities outlined by the Australian Psychology Accreditation Council (APAC) accreditation standards and provisional psychologist registration with the PBA.

The course is structured so that the learning experiences across coursework and practica components are clearly integrated, with an emphasis on experiential learning and reflective practice.

Entry Requirements / Assumed Knowledge

Students accepted into the course must have successfully completed a four year, or three year plus a fourth year, Australian Psychology Accreditation Council (APAC)-accredited sequence in psychology within the previous 10 years, and be eligible for registration with the PBA as a provisional psychologist.

Places in this course are limited. Entry is competitive and is based on academic merit and personal suitability.

Selection procedures include:

a) satisfactory completion of the application form and a personal statement;

b) referee reports from at least two referees;

c) confirmation of original degree certificates;

d) completion of an interview with a panel; and

e) an average mark of 70% across all psychology subjects for the four years of previous study.

This course includes clinical placements. In order to attend clinical placements, students must meet NSW Health Department requirements in regard to Criminal Record Checks and Infectious Disease. Students should consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases in the Additional Information section.

Course Requirements

Subject Code	Subject Name	Session	Credit Points
PSYP905	Theory of Applied Psychological Practice	Autumn	8
PSYP906	Advanced Ethics and Workplace Professional Practices A&B	Annual	8
PSYP907	Applied Psychological Interventions A&B	Annual	16
PSYP908	Applied Psychological Assessment and Evaluation A&B	Annual	8
PSYP909	External Placements and Reflective Practice	Spring	8

Professional Recognition

This program is conditionally accredited by the Australian Psychology Accreditation Council (APAC) as meeting the requirements for the first year of registration as a Provisional Psychologist with the Psychologists Board of Australia.

Contact Information

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Course Coordinator

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Other Information

For further information visit: http://www.uow.edu.au/health/psyc/UOW109839.html and/or http://coursefinder.uow.edu.au/

Master of Psychology (Clinical)

Testamur Title:	Master of Psychology (Clinical)
Abbreviation:	MPsyc(Clin)
Home Faculty:	Health and Behavioural Sciences
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On-campus
Starting Session:	Autumn
Location:	Wollongong
UOW Course Code:	599
CRICOS Code:	027467J

Overview

The Master of Psychology (Clinical) is a fully accredited professional 5th and 6th year of study for the purpose of full registration as a psychologist. Completion of the course also meets the training requirements for associate membership of the College of Clinical Psychologists of the Australian Psychological Society.

This program provides a comprehensive understanding of the principles governing psychological assessment and therapy. It equips students with the clinical knowledge and skills required to assess and treat a wide variety of psychological disorders in children, adolescents and adults. Teaching methods include mandatory face to face classes, an occasional week-end workshop and supervised clinical practicum at the University Clinic and at external placements. The program involves four sessions of full-time study or their part-time equivalent.

Entry Requirements / Assumed Knowledge

Candidates must have a 4 year Honours degree in Psychology of at least Class II Division 1, or equivalent, from a recognised university. Applicants with a Postgraduate Diploma in Psychology are eligible to apply but students are encouraged to pursue an honours degree option if that is available to them.

Selection for entry is based on academic record, two referee's reports, relevant practical experience and a personal statement. Short-listed candidates are also subject to a selection interview.

Places in this course are limited. Entry is competitive and is based on academic merit and personal suitability.

International students must demonstrate that they have achieved an overall IELTS score of 7.0, with at least 7.0 in all bands of reading and writing, speaking and listening. In addition, international applicants must have a degree in psychology that is equivalent to an Australian 4-year sequence of psychology. International applicants must have their qualifications assessed by the Australian Psychological Society (APS) for equivalence and provide this evidence in their application (see: www.psychology.org.au/membership/qualifications).

Students should also consult the information on Criminal Records Checks, Prohibited Employment Declaration and Infectious Diseases under the Additional Information Section.

Subject Code	Subject Name	Session	Credit Points
GHMC951	Child and Adult Assessment and Psychopathology	Autumn	8
GHMC952	Principles of Psychotherapy	Autumn	8
GHMC955	Health and Wellbeing	Autumn	8
PSYP901	Research Project A Part 1	Autumn	8
PSYP903	Research Project B Part 1	Autumn	16
GHMC953	Neuropsychology & Neuropsychiatric Disorders	Spring	8
GHMC954	Cognitive Behavioural Therapies	Spring	8
GHMC956	Special Groups and Methods	Spring	8
PSYP902	Research Project A Part 2	Spring	8
PSYP904	Research Project B Part 2	Spring	16

Articulation with Other UOW Courses

High performing students may apply to transfer from the Master of Psychology (Clinical) to the Doctor of Psychology (Clinical) or Doctor of Philosophy (Clinical Psychology) after completion of one year of study. For details concerning eligibility criteria and approval process, contact the Director of Clinical Training.

Professional Recognition

This program is accredited by the Australian Psychology Accreditation Council (APAC) for Registration as a Psychologist and as a qualifying degree for endorsement in Clinical Psychology. The program is also approved by the APS College of Clinical Psychologists for associate membership.

Student Income Support

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

The Master of Psychology (Clinical) has been approved by DEEWR as an eligible Masters program for Student Income Support.

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

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Science (Psychology)

Testamur Title:	Master of Science (Psychology)
Abbreviation:	MSc(Psyc)
Home Faculty	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	1629
CRICOS Code:	073066M

Overview

This program is available to applicants with a major study in Psychology. Because the Australian Psychology Accreditation Council (APAC) reserves the name 'Masters' for 5th and 6th year courses, this course is not accredited by the APAC. It is thus not suitable for Australian students who intend to proceed further with APAC accredited professional training. The program structure allows international students to tailor their studies to suit the requirements of the profession in their own countries.

Entry Requirements / Assumed Knowledge

A Bachelors degree of at least three years duration with a major in Psychology from a recognised tertiary institution (or equivalent) is required for entry. Entry to the course is competitive and is based on academic qualifications. For the purposes of entry we use the average of the marks from all subjects in the student's accredited psychology major.

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

Course Requirements

The Master of Science (Psychology) requires the successful completion of 48 credit points of subjects in accordance with the table below.

Subject Code	Subject Name	Session	Credit Points
GHMC979	Major Research Project	Annual	18
GHMC985	Principles and Practices of Psychological Assessment	Autumn	6
GHMC988	Contemporary Issues for Professional and Research Psychologists	Autumn	6
GHMC989	Advanced Abnormal Psychology	Autumn	6
Plus 12 credit points of elective subjects chosen from the following:			
GHMB932	Principles and Practices of Psychosocial Rehabilitation	Autumn	6
GHMB934	Assessment and Diagnosis in Mental Health	Autumn	6
GHMB935	Case Management in Mental Health	Spring	6
GHMC978	Child and Adolescent Psychology	Spring	6
GHMC984	Social Psychology and Health	Spring	6
SHS 940	Statistics in Health Research	Spring	6

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Postgraduate Diploma in Psychology

Testamur Title:	Postgraduate Diploma in Psychology
Abbreviation:	PGradDipPsych
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Location:	Wollongong
UOW Course Code:	674
CRICOS Code:	026168F

Overview

The Postgraduate Diploma in Psychology is a fourth year of study, accredited by the Australian Psychology Accreditation Council (APAC), for graduates with a major in Psychology. It is an alternative to the Honours degree.

It is a partial qualification for registration as a Psychologist with the Psychology Board of Australia – a post diploma period of supervision also being required.

The Postgraduate Diploma is not intended as a route to PhD studies but it can serve as a 4th year preparatory to further postgraduate coursework degrees (such as the Clinical Masters degree) at Wollongong and similar postgraduate courses in other universities. However, applicants should check with individual university departments on this matter before committing themselves to the course of study.

Entry Requirements / Assumed Knowledge

Eligibility for entry to the Postgraduate Diploma in Psychology program depends on the successful completion of a Bachelor degree from the University of Wollongong with a major in Psychology, or an equivalent qualification from another tertiary institution approved by the Council of the University of Wollongong and accredited by APAC.

Entry to the Postgraduate Diploma is competitive and is based on academic qualifications; prior work experience will not be considered in assessing applicants' eligibility for entry into this course. For the purposes of assessing eligibility for entry to the program we use the best 8 subjects from successfully completed 200- and 300- level Psychology subjects, excluding PSYC216 or PSYC116 Psychology of Physical Activity. For non-Wollongong graduates, we use the average of the marks from all subjects in the student's accredited psychology major.

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

Course Requirements

The Postgraduate Diploma in Psychology requires the successful completion of 48 credit points of subjects in accordance with the table below.

The diploma requires two sessions of full-time study or four sessions of part-time study. Candidature beyond four sessions of part-time study will not be permitted.

Subject Code	Subject Name	Session	Credit Points
GHMC979	Major Research Project	Annual	18
GHMC985	Principles and Practices of Psychological Assessment	Autumn	6
GHMC988	Contemporary Issues for Professional and Research Psychologists	Autumn	6
GHMC989	Advanced Abnormal Psychology	Autumn	6
GHMC978	Child and Adolescent Psychology	Spring	6
GHMC984	Social Psychology and Health	Spring	6

Professional Recognition

This degree is structured to meet the requirements of external bodies such as the Australian Psychological Society (APS) and the Psychology Board of Australia. For information about these professional bodies, their regulations, and about post university practice as a Psychologist, please contact these bodies directly.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Additional Information

Criminal Record Checks

NSW Health requires all students undertaking clinical placement as part of a health related course to undergo a national criminal record check. The criminal record check must be obtained before a student can attend any clinical placement in a health facility. Students will be provided advice at enrolment and orientation on the process to be followed to obtain a suitable criminal record check. If a student's criminal record check indicates convictions it will not necessarily exclude them from a clinical placement. Each situation will be individually assessed in a confidential consultation between the student and a representative of NSW Health.

Note that there is a cost associated with obtaining a Criminal Record Check. It is the responsibility of the student to meet this cost. Fees are listed on the application form (visit http://www.police.nsw.gov.au/__data/assets/pdf_file/0012/15132/P799.pdf for details).

Child protection legislation enacted in July 2000 requires each student to complete and sign a Prohibited Employment Declaration for each clinical placement. The relevant forms will be provided to you as needed.

For further information on Criminal Record Checks visit Student Clearances for Clinical Placements - NSW Department of Health.

Infectious Diseases

NSW Health also requires students undertaking clinical placement in health facilities to be compliant with certain vaccinations to ensure the safety of both students and patients. This information will be provided at enrolment and orientation.

For further information on compliance with Infectious Diseases requirements please visit http://www.health.nsw.gov.au/publichealth/immunisation/ohs/.

Fee Information

For tuition fee information please see the following:

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

CHBC918 Critical Appraisal

Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: There has been a dramatic increase in the amount of literature in all aspects of health as well as a push for an evidence-based approach to health interventions. Health professionals need to be able to sift through available literature and to critically appraise a variety of research genres in order to offer health interventions that are evidence based. This subject will equip students with the knowledge and skills to critically appraise research conducted in a range of styles including systematic reviews.

CHBC919 Evaluative Research Methodology

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: There has been a dramatic increase in the amount of literature in all aspects of health as well as a push for an evidence-based approach to health interventions. Health professionals need to be able to sift through available literature and to critically appraise a variety of research genres in order to offer health interventions that are evidence based. Evaluative research is a particularly useful approach to research in health and social sciences because it enables us to determine the value of the services that are provided. Therefore, this subject provides postgraduate students with knowledge of the processes of evaluative research, and the skills to analyse, interpret and present results of evaluative research.

CHIP910 Critical Marketing and Media Analysis

Autumn Wollongong Flexible
Autumn Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the effects of media on population health - from the negative impace 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, and media advocacy; 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 critical skills in media analysis, the development of communication campaigns, and dealing with the media.

CHIP911 Social Marketing for Health

Autumn Wollongong Distance
Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: There is a growing demand from health agencies such as the Cancer Council and the Heart Foundation as well as many other non profit and government agencies that require people to engage in social marketing strategies. This subject provides health professionals, marketing professionals and project officers within government departments and non-government organisations (e.g., Diabetes Australia, Youth Safe) who use social marketing with the required knowledge and theory that these and other health agencies need in order to engage in social marketing strategies.

CHIP912 Advanced Studies in Behaviour Change

Spring Wollongong Flexible
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: CHIP913
Subject Description: This subject identifies and examines appropriate theories in the planning of health education and promotion programmes. It distinguishes between theories at the individual level and those at the group or community levels. This subject demonstrates how to identify and choose intervention methods from theory and the literature to effect behaviour change. It presents ideas on how to translate these methods into strategies to deliver programmes that create behaviour change at the different levels. It identifies how to measure behaviour before and after intervention and how to evaluate programmes designed to effect behaviour change.

CHIP913 Social Marketing Practice

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: CHIP911, GHMD930
Co-requisite: CHIP912
Subject Description: There is a growing demand from health agencies such as the Cancer Council and the Heart Foundation as well as many other nonprofit and government agencies that require skilled people to engage in social marketing strategies. This subject enables students who have completed other prescribed subjects within the Graduate Certificate in Social Marketing for Health to undertake a placement in a health related workplace that produces social marketing programmes. Students will work independently and apply the skills and knowledge acquired in the pre-requisite subjects to critically evaluate an existing social marketing strategy employed by that agency. Students will collaborate with, and respond to the specific needs of the organisation they are placed with.

CHIP915 Essential Skills for Health Researchers

Autumn Wollongong Distance
Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Many Higher Degree Research (HDR) students have had minimal exposure to health research methods and strategies in their undergraduate studies, and often the exposure they have had is rather narrow. The intent of this subject is to assist students acquire the essential skills required to be a successful HDR student, and ultimately a successful independent health researcher. The topics selected for the subject are those which have been found to be of interest and value to HDR students and which supervisors have frequently noted as being deficient in the HDR students they have supervised.

CHIP916 Applied Analysis in Health Research

Autumn Wollongong Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: An understanding of statistics is fundamental to health professionals planning to undertake a research degree or to undertake reserach in practice. While many postgraduate students acquire knowledge of statistical concepts through their undergraduate and postgraduate studies, there remains a knowledge-to-practice gap when they are required to develoop survey tools and analyse and present data. This subject aims to devleop skills in statistical data analysis, gaining a practical knowledge of: survey tool development, assessment and of reliability and validity; data collection using survey methodology; using statistical packages (SPSS); conducting basic statistical tests; interpreting, presenting and reporting results.

DIET950 Dietetics 1

Spring Wollongong On Campus

Credit Points: 8
Pre-requisites: SHS 951 & SHS 952 & SHS 953 OR BMS 310 & BMS 311 & BMS 312 OR SHS 351 & SHS 352 & SHS 353
Co-requisite: None
Exclusions: BND434 or DIET450 or GHMA934
Subject Description: Dietetics concerns the manipulation of food and dietary data with the aim of supporting nutritional health. This subject focuses attention on the nutritional needs of individuals, particularly in community health and some clinical settings, where nutritional intervention will improve or support the quality of life. As the first of two dietetics subjects, this subject will introduce you to the theoretical knowledge that forms the foundation of safe and effective practice in clinical nutrition and dietetics. It will draw upon much of your earlier studies. In particular you should revise your understanding of nutrition through the life cycle, human physiology and metabolic biochemistry.

DIET951 Dietetics 2

Autumn Wollongong On Campus

Credit Points: 8
Pre-requisites: BND 434 or DIET450 OR DIET950
Co-requisite: DIET952 or GHMA929
Exclusions: DIET451
Subject Description: Dietetics concerns the manipulation of food and dietary data with the aim of supporting nutritional health. This subject follows on from content covered in Dietetics 1; and focuses on medical nutrition therapy primarily at a level appropriate for tertiary healthcare interventions. Most (but not all) of the nutrition interventions taught within this subject would often be required in a hospital setting, although patients would require ongoing support where their condition is chronic. Specialist areas of dietetic practice include gastroenterology, oncology, HIV/AIDS, renal disease, intensive care, coeliac disease, liver disease, dysphagia, total parenteral and enteral nutrition, pulmonary disease and paediatrics. Relevant pathophysiology and biochemistry is covered within the subject but students may require general revision of these areas in preparation for particular lectures. The subject includes medical lectures from specialist consultant practitioners and dietetics lectures from guest dietitian lecturers, experienced in the relevant areas. Case studies and tutorial work is also included within the lecture framework.

DIET952 Communication in Healthcare Practice

Autumn Wollongong On Campus

Credit Points: 8
Pre-requisites: DIET450 or DIET950
Co-requisite: GHMA934 or BND 434 or DIET 951 or DIET451
Exclusions: BND 433, GHMA929, DIET452,
Subject Description: The subject will introduce you to the theory and practice of communication in the professional work environment, emphasising successful communication in a range of contexts. These include client counselling, small group education, community consultation, participation in meetings, working with the media and conflict resolution. In order to promote teamwork and group skills, the subject is taught on a small group basis, and you should prepare for each activity. In order to promote an understanding of how people learn in small groups, you are asked to keep a reflective journal and to critique the process at the completion of the subject.

DIET954 Practical Studies in Nutrition and Dietetics

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus

Credit Points: 24
Pre-requisites: GHMA933 &GHMA934 &GHMA935 OR GHMA929 & GHMA934 & GHMA935 OR DIET951 & DIET952 & GHMA956 OR DIET951 & DIET952 & GHMA929 OR GHMA934 & DIET952 & DIET956
Co-requisite: None
Exclusions: BND 437 or DIET454
Subject Description: This subject comprises a practicum of at least 18 weeks duration which is spent in hospitals, community health centres, and other food-related organisations. Students will be under the supervision of experienced practitioners appropriate to the placement requirements. This placement is designed to develop the student's skills and competencies in a range of areas including specialised therapeutic diets and the provision of community nutrition programs. It also provides the students with opportunities to rehearse and demonstrate both interviewing and counselling skills, as well as information and behaviours required to allow the Dietitian to operate as an independent professional. Awareness of, and behaviours consistent with the knowledge of ethics requirements, confidentiality, accountability and other responsibilities of the autonomous professional operating either independently or as a member of a multidisciplinary team should be demonstrated by the student.

DIET955 Research Project in Nutrition and Dietetics

Spring Wollongong On Campus

Credit Points: 16
Pre-requisites: GHMA932 or SHS 952
Co-requisite: None
Exclusions: BND 445 or DIET455
Subject Description: This research project is designed to give the Masters students an intensive period of study in the design and conduct of scientific research. The project (which may include clinical practice, public health, food service or other aspects of nutrition and dietetics) will be carried out under the close guidance of a supervisor - usually an academic in the School of Health Sciences - however field supervisors in the health system may also assist. Students

will normally begin preparation for their project while undertaking SHS 952 and may need to begin preparation before the start of session to seek ethics approval.

DIET956 Food Service and Dietetics Management

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: GHMA930 or BMS310 or SHS 953 or SHS 353 or GHMA931 or BMS311 or SHS 951 or SHS 351 or GHMA932 or BMS312 or SHS 952 or SHS 352
Co-requisite: None
Exclusions: BND435 or DIET456 or GHMA935
Subject Description: The subject is an introduction to the management of food service operations and hospital dietetic departments. It will focus on the development of small and large scale cooking skills, menu planning and standard recipe manipulation in keeping with dietetic modifications. It will also develop the necessary skills and knowledge base to assist in and/or manage the provision of meals via an institutional food service. Aspects of organisational design, leadership, motivation, negotiation, resource management, decision making and power will be explored.

DIET957 Major Project

Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: BMS 312 OR SHS 352 (Greater than 65%) or GHMA 932 OR SHS 952
Co-requisite: 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 within the discipline. A group or individual research project is designed to give students an intensive one session research experience under the guidance of an academic or clinical supervisor.

DIET958 Advanced Dietetic Practice

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMB950
Co-requisite: None
Subject Description: This subject offers students the opportunity to complete a specialised project related to an area of their dietetic practice (eg a specialist clinical areas such as pediatrics, renal or sports nutrition; or community or foodservice practice). Students will undertake either an externally provided short course in a specialty area of practice with a minimum of 15 hours face-to-face teaching (approved by the course coordinator) - for example courses provided by Special Interest Groups of DAA - or undertake a guided program of specialist reading. Building on the knowledge gained and by adopting a critical and reflective approach to their work, students will then analyse a problem and develop a plan to improve or advance an aspect of their current professional practice. The final report will be presented in the format of an article suitable for publication or a business plan or proposal for a new service or clinical practice guideline for use in the health care system.

EXSC920 Clinical Exercise Physiology

Autumn Wollongong On Campus
Credit Points: 24
Pre-requisites: EXSC320 & SHS 220 & SHS 221 & SHS 313 & SHS 320
Co-requisite: None
Subject Description: This subject will provide students with the conceptual knowledge, professional competencies and skills to independently and effectively manage exercise rehabilitation clientele. Students will develop a strong understanding of musculoskeletal injury, cardiorespiratory disease, neurological and neuromuscular impairment and other chronic and complex conditions. Furthermore, students will be expected to integrate pathology-specific knowledge to develop appropriate exercise interventions within a clinically relevant time-frame. The development of competencies and knowledge in dealing with multi-pathology cases is essential for the practicing Exercise Physiologist. Thus, this subject will enable students to develop a strong ethical and professional standard to ensure best practice in a clinical setting.

EXSC921 Clinical Practicum

Spring Wollongong On Campus
Credit Points: 16
Pre-requisites: BEXS351 and BEXS352 and EXSC920 OR EXSC320 and EXSC920 plus 140 hours of 'healthy placement'.
Co-requisite: None
Subject Description: This subject provides students with a structured clinical placement program designed to meet the requirements for Exercise Physiology accreditation with the Exercise and Sports Science Australia (ESSA). Clinical placement aims to expose students to the reality of professional practice, including the application of knowledge, skills and competencies, as well as developing an understanding of confidentiality, emergency protocols, health policies, ethical and legal boundaries. Students will be assessed on their professional practice by both their placement supervisor and subject coordinator, and will undertake assessment within the subject to further develop their professional skills in written communication, critical research and evaluation and programming procedures. Students will be allocated to their placement based on suitability criteria. Compliance with the required placement documentation and processes is necessary to undertake placement and to satisfactorily pass the subject.

EXSC922 Advanced Workplace Injury Management for Exercise Physiologists

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: EXSC920 (24 CP)
Co-requisite: None
Subject Description: This subject will 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: DIET450 or DIET950

Co-requisite: GHMA934 or BND434 or DIET451 or DIET951
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.

GHMB902 Effective Management in Health

Autumn Wollongong Flexible
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides an introduction to management and leadership for new or emerging managers in health care. It focuses on developing an awareness of each student's strengths and abilities, and explores important aspects of management in physical and human resources. This subject includes: Covey's leadership theories; time management; conflict theory; managing conflict; grievance procedures; culture; socialization; communication; change theories; change in cultures; reality shock; individual responsibilities; management/leadership responsibilities; awareness of the responsibilities of others; risk assessment; and risk management.

GHMB903 Scientific and Qualitative Developments in Acute Care Nursing

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Investigates technological, biological, psychological and sociological developments that have created an impact in acute care nursing in recent times. Insights into specific technology and pharmacology used for diagnostic or therapeutic purposes by nurses and the Health team will be targeted, including their characteristics, uses and efficacies within an holistic nursing care framework.

GHMB905 Special Topic in Nursing

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This is a combined program of research and coursework leading to the completion of a minor project. Students will be expected to work closely with a supervisor on a project where a common interest exists.

GHMB906 Acute Care Nursing: Reflections on Practice

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Focuses on relevant theories, themes and issues that have a practical bearing upon acute care nursing, and on models of acute care nursing that address evidence based practice. Practical aspects include pathophysiology of the Cardiovascular, Respiratory, Nervous and Alimentary systems and Acid Base balance; and Introduction to Electrocardiograph Interpretation.

GHMB911 Midwifery Practice 1

Autumn Wollongong On Campus
Credit Points: 4
Pre-requisites: GHMB916 (Part-time students)
Co-requisite: GHMB914 (Full-time students), GHMB916 (Full-time students), GHMB950 (Full-time students)
Subject Description: This subject is the first of three subjects that allows the student to acquire the necessary clinical experiences as designated by the NMB NSW. Midwifery Practice 1 is designed to introduce the student to the provision of care of the woman and her family throughout pregnancy, birth and the postnatal period. Special emphasis is on the well woman, pregnancy, fetus, birth, postnatal period and the neonate. Potential complications during childbearing and management of high-risk women are examined. There will be an emphasis on evidence-based practice, critical appraisal and professional issues for midwives. The practical application of different models of care is also explored. This subject includes clinical practice.

GHMB912 Midwifery Practice 2

Spring Wollongong On Campus
Credit Points: 4
Pre-requisites: GHMB911, GHMB914 (full-time students), GHMB916, GHMB950
Co-requisite: GHMB915, GHMB917, GHMB923 (full-time students)
Subject Description: This subject is the second of three subjects that allows the student to acquire the necessary clinical experiences determined by the national regulatory authority. The student progresses along a continuum, developing and consolidating skills and knowledge in the provision of care of the woman and her family learnt in the clinical context.

GHMB913 Midwifery Practice 3

Summer 2012/2013 Wollongong On Campus
Credit Points: 4
Pre-requisites: GHMB911, GHMB912, GHMB914, GHMB915, GHMB916, GHMB917, GHMB923, GHMB950
Co-requisite: None
Subject Description: This subject is the third of three subjects that allows the student to acquire the necessary clinical experiences as designated by the Nurses and Midwives Board New South Wales. Midwifery Practice 3 is designed for the student to continue, and finally complete, the provision of care of the woman and her family and to build on skills acquired whilst undertaking Midwifery Practice 1 & 2.

GHMB914 Art and Science of Midwifery 1

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMB916 (Part-time students)
Co-requisite: GHMB911, GHMB916, GHMB950
Subject Description: This subject is designed to be taken in conjunction with the clinical subject, GHMB911 Midwifery Practice 1. The subject provides the theoretical framework to enable student midwives to function safely while providing 'woman centred care' to each individual woman, her baby and family throughout pregnancy, birth and the postnatal period. Midwifery management of the well 'woman' throughout the childbearing continuum and healthy baby will be emphasised. An ability to review literature is an essential component of this subject. Students are expected to demonstrate higher order thinking in the application of

knowledge to practice. Critical analysis will be based on evidence and include active reflection on clinical experiences. Students are expected to facilitate their own learning by utilising the Library Database Workshops and the IT services available at the University. Students are expected to achieve a high level of learning that is evidenced by the quality of analysis, synthesis and evaluation of evidence based research and its application to midwifery practice.

GHMB915 Art and Science of Midwifery 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: GHMB911, GHMB914, GHMB916, GHMB950
Co-requisite: GHMB912, GHMB917, GHMB923
Subject Description: This subject is designed to be taken in conjunction with the clinical subject, GHMB912 Midwifery Practice 2. GHMB915 Art and Science of Midwifery 2 has been designed for the student to build on learning and understanding of the theoretical frameworks underpinning midwifery practice. This subject develops the midwives understanding of midwifery care relating to complexities arising in pregnancy, labour, postnatal and neonatal periods. An ability to review literature remains an integral component of this subject. Students are expected to continue to facilitate their own learning by utilising the Library Database Workshops and the IT services available at the University. They are expected to demonstrate a high level of learning that is evidenced by the quality of analysis, synthesis and evaluation of evidence based research and its application to midwifery practice.

GHMB916 Human Reproduction

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to provide students with comprehensive knowledge of anatomy and physiology related to conception, pregnancy and birth. The human body cell structure, genetic and teratogenic influences on conception, embryonic, fetal and neonatal development are addressed. Maternal adaptation/responses to pregnancy and labour are addressed. Fetal adaptation to extrauterine life and the physiology of the postnatal period are included to enhance midwifery management in the postnatal period. Technology used in assessment, diagnosis and intervention at all stages of the reproductive process will be explained in terms of scientific principles. The subject acknowledges the importance of research; hence emphasis is placed on current research applicable to human reproduction. Students' tutorial presentations also provide extra learning opportunities for the student to appreciate some of the broader issues in human reproduction. The knowledge gained from this subject provides midwives with an important component of a scientific knowledge base from which to plan and provide midwifery care. This is facilitated and enhanced by the inclusion of clinical application of theory to practice wherever possible.

GHMB917 Midwifery in the Social Context

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will provide the student with an in depth knowledge of theory and research, on psychological, sociological and cultural influences throughout the period of pregnancy, childbirth, and parenting. Evidenced based research, and knowledge of national guidelines and community resources are utilised to equip the student to assist the contemporary family throughout this transition to parenthood. Students are challenged to explore their own values and belief systems. They are encouraged to develop an appreciation for cultural and social diversity and differing perspectives they encounter in the clinical setting. This subject enables the students to be advocates for woman centred choices and for fostering development of the midwifery professional. The implication of the content of this subject is to reiterate the primary health care role of the midwife and the importance of cultural safety.

GHMB923 Legal and Professional Issues

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to assist students to deal with legal, ethical and professional issues in relation to their area of clinical practice. Relevant Australian legislation, appropriate case law, principles of conflict management, and examples of ethical and moral reasoning will be used to provide a framework for clinical decision-making. Advances in scientific knowledge and technology and demands on health care resources mean that health care professionals such as midwives and nurses participate in decisions of legal, moral and professional significance. In order to be accountable to their clients and their profession, health professionals need the opportunity to study legal, moral and professional issues so that they are capable of engaging in clinical decision-making processes which take into account the inherent legal, ethical and professional concerns. This subject is designed to assist students to think critically and creatively. It draws on different ways of thinking and learning so that students can form connections between insights, inspiration, logic and questions. It is built on the assumption that effective learning occurs when student are interested in resolving an issue in their own mind. The subject design enables students to develop their inquiry skills, develop their own criteria for criticism of the hypotheses and answers they develop, synthesize complex information and conduct intellectual simulations of their answers. In this way the subject provides a real and relevant connection with clinical practice.

GHMB925 Effective Leadership in Health

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: 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
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject focuses on concepts and skills that can be used to achieve solutions and results in the workplace and is particularly relevant for people interested in professional, practice and organisational development. It is divided into four modules: Coaching skills for healthcare leaders provides an orientation to facilitating solution-focused, person-centred, goal-oriented processes; Solution-focused, person-centred, goal-oriented processes enables participants to become even more competent in facilitating learning, change, performance and human flourishing; Motivational Change provides participants with a conceptual framework and practical strategies that can be used to facilitate change as well as strategies for assessing and enhancing motivation, and working with people's needs and values.

GHMB928 Introduction to Ophthalmic Nursing

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to prepare the nurse for a role in Ophthalmic environments. The subject aims to develop the nurse's in-depth knowledge and understanding of Anatomy and Physiology, Pathophysiology, Pharmacology, Disease and Disorders of the eye, Theory of Ophthalmic Nursing Practice, Health Promotion and relevant Legal and Professional Issues. The subject promotes a problem-solving approach to Ophthalmic nursing practice and enables students to facilitate practice development.

GHMB929 Developing Ophthalmic Nursing Practice

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: GHMB928
Subject Description: This subject will require students to gain mastery level of essential practical skills required to function as a specialist ophthalmic nurse, utilising theoretical knowledge gained in Introduction to Ophthalmic Nursing. The subject involves clinical placements within ophthalmic centres where students will be supervised and assessed by clinical experts.

GHMB932 Principles and Practices of Psychosocial Rehabilitation

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides an overview of basic theoretical models used to explain psychiatric disorder and presents a historical overview of mental health services. It examines the impact of the National Mental Health Strategy on the development of an integrated, comprehensive mental health service. Students are provided with an understanding of each component of a community service network, including the role and function of crisis intervention services, residential services, hospital based services, and multidisciplinary mental health structures. The role of consumer and carer advocacy organisations is examined.

GHMB934 Assessment and Diagnosis in Mental Health

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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
Spring	Wollongong	Flexible

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

Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will address the theoretical principles and the application of these, to the clinical practice context of the practice nurse within general practice. This subject will examine evidence based practice in relation to nursing treatments and procedures, health promotion, and chronic disease self-management. This subject will also enable the student to undertake a critical analysis of their own clinical practice and develop strategies for professional development within their own practice. This critical analysis will be based upon best practice in relation to general practice nursing. Clinical competence will also be monitored in partnership with general practice and the School of Nursing, Midwifery and Indigenous Health, University of Wollongong.

GHMB939 Alcohol & Other Drug Studies

Autumn	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: GHMB954
Subject Description: This subject will provide an understanding of the pharmacological, psychological and sociological basis of alcohol and other drug (AOD) use and dependence. It will focus on government, intersectoral and community approaches to inform, minimise and treat the harm caused by the use of alcohol and other drugs. Contemporary issues, perspectives and approaches, which impact on both national and global policies, will be explored.

GHMB940 Indigenous Family Studies

Autumn	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: The aim of this subject is to examine the relationships between mainstream/western approaches to health care provisions and Indigenous Australia approaches to health care provision.

GHMB942 Special Topic

Annual	Wollongong	Distance
Autumn	Wollongong	Distance
Spring	Wollongong	Distance
Spring2012/Autumn2013	Wollongong	Distance

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed for students to develop a proposal for a research study towards a Master Of Indigenous Health, and for non research students wishing to complete a minor project in a specific content area. The research students will be supervised by a lecturer who has expertise in research and chosen the field of study. The techniques of study will include library searches, an oral presentation of the proposal, and a written proposal. For non-research students the content will reflect the content area of the specified topic being studied under a supervisor. The techniques of study will include library, an oral presentation of the proposal, and a written minor project.

GHMB943 Health and Human Ecology

Autumn	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject will provide students with an opportunity to identify, develop and evaluate practical applications of health promotion in Indigenous communities. The subject introduces the principles and theory of health promotion within a primary health care and community development framework. Some of the principles that guide education for health and planning education sessions are also discussed.

GHMB948 Hand Management, Therapy and Rehabilitation

Not on offer in 2012
Credit Points: 6
Pre-requisites: None

Co-requisite: None
Subject Description: This subject aims to prepare the nurse to manage patients who require hand management, therapy and rehabilitation. It is anticipated that the graduates of this course will demonstrate expertise and confidence to function and engage in the management of hand injuries/trauma conditions, wound care and associated long term rehabilitation and health promotion. This subject promotes a problem-solving approach to hand nursing practice and enables students to facilitate practice development.

GHMB949 Developing Hand Nursing Practice

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: GHMB948
Subject Description: This subject will require students to gain mastery level of essential practical skills required to function as a specialist hand nurse, utilising theoretical knowledge gained in Hand Management, Therapy and Rehabilitation. The subject involves clinical placements within hand facilities where students will be supervised by clinical experts.

GHMB950 Reflective Practice 1

Autumn	Wollongong	Flexible
Autumn	Wollongong	Distance
Spring	Wollongong	Distance
Spring	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This Reflective Practice subject develops (or enhances existing) personal conceptual frameworks and skills of reflectivity applicable to practice, to enable participants to 'stand back' from situations, to see the 'whole of the moon' rather than just 'the crescent'. The subject promotes reflection upon theory and research which underpins practice, to enable participants to identify potential areas for practice development and meaningful research.

GHMB951 Reflective Practice 2

Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible

Credit Points: 6
Pre-requisites: GHMB950
Co-requisite: 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-requisite: 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-requisite: None
Exclusions: GHMB939
Subject Description: This subject will provide an understanding of the pharmacological, psychological and sociological basis of drug use and drug dependence. It examines drug and alcohol use from a historical perspective and explores the impact that so called 'grand theories' of drug use has had on contemporary attitudes to substance use, on government policies and on treatment modalities.

GHMB955 Dementia Care Across Settings

Autumn	Wollongong	Flexible
Autumn	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: 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	Distance
Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to provide an opportunity for students to explore health care issues, policy and practice relevant in the care of older people and develop a deeper understanding for appropriate responses to the needs of this group.

GHMB957 Rehabilitation: Concepts and Practice

Spring	Wollongong	Distance
Spring	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to provide an opportunity for students to develop a deeper understanding of the concepts and practice of rehabilitation care through its associated partnerships.

GHMB958 Advancements in Dementia Care

Spring Wollongong Distance
Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: GHMB955
Co-requisite: None
Subject Description: This subject is a core component of the dementia care courses and will extend the knowledge and skills developed in the GHMB955 Dementia Across Care Setting in the program. This subject provides the opportunity to apply the theoretical concepts of dementia care in practice and focuses on the partnership with individuals, carers and health professional colleagues in the delivery of care for persons experiencing dementia. The topics include: promotion of healthy lifestyles; protection of rights and interests; culturally diverse communities; younger people with dementia and rural and remote issues.

GHMB959 Innovation and Change: Tools for Practice Development

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The subject focuses on participatory teaching practices. Students will explore concepts of engagement and collaboration, clinical puzzling, future focused approaches to practice change, practice development, clinical evaluation and the evolution of cultures of learning in clinical contexts.

GHMB960 Facilitation and Education Skills for Practice Development

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject introduces students to essential skills for facilitating education and practice development and the development of cultures of learning in clinical practice settings. It offers students the opportunity to explore theoretical perspectives of learning, clinical teaching styles, characteristics of adult learners and the development of cultures of learning.

GHMB989 Mental Health Nursing: Clinical Principles and Practice

Annual Wollongong Flexible
Spring2012/Autumn2013 Wollongong Flexible
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is a core component of the Postgraduate Certificate and Masters Degree in Mental Health Nursing. It will provide a broad perspective into: the nursing assessment and care of people with a mental illness; the diagnostic outline for mental illness and the main diagnostic groups; provide an outline of the more contemporary issues in mental health care, including care through the lifespan, suicide, dual diagnosis and trans-cultural mental health care. The subject will provide the nurse with a more detailed knowledge of mental illness and some clinical skills in the assessment and nursing care of these people.

GHMB997 Major Project

Annual Wollongong Distance
Credit Points: 24
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 24
Pre-requisites: None
Co-requisite: 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-requisite: 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

Not on offer in 2012
Credit Points: 4
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 4
Pre-requisites: None
Co-requisite: None
Subject Description: This subject focuses on knowledge and skills required of an advanced professional. The clinical supervision component will cover theories and models of clinical supervision, and the rationale, procedures, and best-practice guidelines regarding formulating supervision plans, conducting supervision, assessing supervisee performance and evaluating supervision programs. In addition to didactic teaching, skills training methods (e.g., role-play, videotapes)

will be used. This subject will also include a 250-hour clinical practicum within an advanced professional or clinical supervision area.

GHMC931 Clinical Neuropsychology

Not on offer in 2012
Credit Points: 4
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to introduce students to neuroanatomy and theories of neuropsychological assessment and approaches to rehabilitation. The subject will deal with: basic brain anatomy; principles of neuropsychological assessment; administration and interpretation of neuropsychological tests; neuropsychological report writing; neuropsychological disorders.

GHMC943 Practicum 2A

Not on offer in 2012
Credit Points: 4
Pre-requisites: GHMC938 Practicum 1A
Co-requisite: 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

Not on offer in 2012
Credit Points: 4
Pre-requisites: None
Co-requisite: None
Subject Description: The practicum is composed of 250 hours of case-work from Northfields clinic and/or external agencies. The student might be required to attend group and individual supervision sessions as well as have assessment/therapy sessions taped for discussion and feedback. The placement may occur with agencies providing either child or adult services, however when considered together with GHMC938, and GHMC943, exposure to a wide range of clinical/applied contexts will be required.

GHMC946 Research Project A

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: Research Project A aims to equip students with a wide variety of research skills required for professional psychology. The content will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review. Students completing the MPsych program will also complete Research Project B and a project report in the format of a journal article.

GHMC947 Research Project B

Not on offer in 2012
Credit Points: 16
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This course focuses on equipping clinical psychology students with theoretical knowledge and practical skills relevant to the assessment and formulation of mental disorders in adults and children. This is achieved through a combination of lectures, workshop activities, independent study, and 50 hours of supervised clinical practice at Northfields Clinic. The clinical-theoretical part of the course will describe models of human cognitive processes such as memory and higher intellectual functioning and the ways in which these functions may become disturbed in people with mental disorders. The assessment and diagnosis components of the course will cover the main diagnostic classificatory systems. Psychometric assessment methods, that are relevant to understanding adults and children with psychiatric disorders characterised primarily by depression and anxiety, will also be covered.

GHMC952 Principles of Psychotherapy

Annual Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides students with a set of research-based interventions, strategies and skills for conducting psychological therapy for children and adults. The subject examines the microskills of interviewing, goal setting, problem solving, monitoring and reviewing, relationship enhancement, and selection of appropriate interventions depending on client need. Satisfactory completion of 100 hours of practical training with clients is required. Training methods include video feedback and direct observation of clinical skills. The subject provides the principles of empirically-based psychotherapy with children and adults in individual, family and group therapy formats.

GHMC953 Neuropsychology & Neuropsychiatric Disorders

Spring Wollongong On Campus
Credit Points: 8

Pre-requisites: GHMC951 or GHMC952
Co-requisite: None
Subject Description: This subject will equip students with knowledge of the theoretical and practical issues that impinge on the assessment of children and adults who present with disorders, stemming from primary neurological pathology. This will be achieved through a combination of lectures, workshop activities, independent study, and 150 hours of supervised clinical practice at Northfields Clinic. The subject content related to clinical neuropsychological assessment will include: the main diagnostic and classificatory systems; principles of psychometric assessment; the selection, administration and interpretation of specific tests; and the development of clinical formulations that can be used to guide treatment. Topics relating to psychopathological theory will include basic neuroanatomy and neuropathology and theoretical and clinical models of psychotic and behavioural disorders in children and adults.

GHMC954 Cognitive Behavioural Therapies

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: GHMC951 and GHMC952
Co-requisite: None
Subject Description: The subject aims to provide students with knowledge of the principles, procedures, applications, and research associated with psychotherapy for children and adults for a wide range of psychological disorders. Students will also obtain practical skills training in the conduct of therapy. The focus will be on cognitive behavioural therapies. Apart from lectures, training methods will include demonstration of therapy, role-play sessions, use of videotapes, and a minimum of 100 hours of clinical practicum within the Northfields Clinic or other equivalent agency.

GHMC955 Health and Wellbeing

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: While many of the skills obtained in clinical training are ubiquitous, students need to consider the unique needs and considerations of special needs groups and take this into account in their psychological practice. This subject introduces the student to the application of psychological principles to special needs groups and in special situations. In particular, the subject will address needs as they relate to working with people with developmental disabilities, working in forensic environments and relevant sociocultural considerations. Additional ethical and professional issues that pertain to these groups and situations will be addressed. Successful completion of this subject will also include 300 practicum hours in a relevant clinical placement, supported by appropriate clinical supervision.

GHMC978 Child and Adolescent Psychology

Spring Wollongong Flexible
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: Students complete an empirical study on a research topic chosen from given areas of staff expertise. Projects may be conducted in small groups, however, write-ups will be completed and assessed individually. Weekly research seminars consist of discussion of the research process, selecting a topic, and enhancing writing and oral presentation skills.

GHMC981 Research Project C

Not on offer in 2012
Credit Points: 16
Pre-requisites: GHMC946 Research Project A
Co-requisite: None
Subject Description: Research Project C in combination with Research Project A, aims to equip students with a wide variety of research skills required for professional psychology. The subject covers ethical issues in research, the importance of conceptual and theoretical foundations in research, how to critically evaluate research, establishing aims, sampling, design, methods of data collection, principles and procedures governing selection and implementation of data analyses. Students will receive assistance in data entry, screening, and analysis using SPSS. Students will learn the stylistic requirements of scientific writing for research publication. Research Project A, C and the Major Thesis comprise the research component of the Doctor of Psychology (Clinical) degree.

GHMC982 Research Project D

Annual Wollongong On Campus
Credit Points: 24
Pre-requisites: None
Co-requisite: None
Subject Description: This subject focuses on advancement of research skills particularly within the

areas of data analyses and thesis writing. The candidate will be required to attend regular sessions with the research supervisor. In certain cases, attendance at specified research lectures, seminars and other workshops might be required. The project culminates in the submission of a research thesis.

GHMC983 Research Project E

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: 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

Autumn Wollongong On Campus
Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: See Postgraduate Diploma entry requirements
Co-requisite: None
Subject Description: This course will address key theoretical and empirical issues in the area of Health Psychology. It is predicated on preserving a balance between internal and external factors in the causation and maintenance of complex human behaviour. Current theories about biological, psychological, social and cultural determinants of health behaviour will be examined from the perspective of the scientist - practitioner model. A range of psychological principles will be examined within the context of formulating a treatment and evaluation proposal or prevention program designed to change health injurious behaviour or support health enhancing behaviour.

GHMC985 Principles and Practices of Psychological Assessment

Autumn Wollongong On Campus
Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject addresses areas of practice that will most likely be experienced by psychologists in their professional work, using a combination of on-line lectures and workshop involvement. Subject areas will include ethical and legal issues in psychological practice, case conceptualisation, assessment procedures and treatment options, report writing skills, issues of therapeutic alliance, and professional self-care. Interpersonal skills will be addressed within the context of these subject areas.

GHMC989 Advanced Abnormal Psychology

Spring Wollongong Flexible
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject builds upon previous study in core areas of abnormal psychology, with contributions from personality, learning, and developmental psychology to consider the way theories of human behaviour help our understanding of psychopathology. Students will be expected to develop a critical and analytical understanding of the conceptual frameworks and assumptions of a number of major schools of abnormal psychology. The etiology and maintenance of clinical disorders will be examined from a variety of theoretical and research perspectives.

GHMC990 Advanced Clinical Issues A

Not on offer in 2012
Credit Points: 4
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 4
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 4
Pre-requisites: None
Co-requisite: None
Subject Description: The practicum is composed of at least 200 hours of supervised casework from the Northfields Clinic or other specified agencies that provide psychological services. Casework will include assessment and treatment of difficult psychological problems. The student will be required to attend group and individual supervision sessions.

PSYC966 Professional Practice Group Supervision A

Not on offer in 2012
Credit Points: 8
Pre-requisites: 4 year degree in Psychology
Co-requisite: None
Subject Description: This subject will assist students to fulfil NSW Psychologists Registration Board requirements for Supervision. It consists of meetings of up to 5 students and a clinical supervisor to discuss applications of psychological skills to practice. While this subject is independent from GHMC967 (Professional Practice Workshops A), students enrolled in both subjects will have an opportunity to use the group supervision to further develop skills learned in workshops.

PSYC967 Professional Practice Workshop A

Not on offer in 2012
Credit Points: 8
Pre-requisites: 4th year in Psychology
Co-requisite: None
Subject Description: This subject will assist students to fulfil NSW Psychologists Registration Board requirements for Approved Workshops and Seminars. It consists of 8 workshops on four board required certificate subjects: Introduction to Psychological Practice; Ethical, Legal and Professional Matters; Psychological Testing; and Interviewing, Counselling and Consulting. Workshops will be delivered by specialist professionals and/or academics with specific skills and knowledge in the identified areas, will be skills based and will be delivered in block workshop formats. While this subject is independent from PSYC966 (Professional Practice Group Supervision A), students enrolled in both subjects will have an opportunity to use the group supervision to further develop workshop skills.

PSYC968 Professional Practice Group Supervision B

Not on offer in 2012
Credit Points: 8
Pre-requisites: 4 year degree in Psychology
Co-requisite: None
Subject Description: This subject will assist students to fulfil NSW Psychologists Registration Board requirements for Supervision. It consists of weekly meetings of up to 5 students and a clinical supervisor to discuss applications of psychological skills to practice. While this subject is independent from GHMC969 (Professional Practice Workshops B), students enrolled in both subjects will have an opportunity to use the group supervision to further develop skills learned in workshops. This subject will build on the skills and experiences of Professional Practice Group Supervision A.

PSYC969 Professional Practice Workshop B

Not on offer in 2012
Credit Points: 8
Pre-requisites: 4 year degree in Psychology
Co-requisite: None
Subject Description: This subject will assist students to fulfil NSW Psychologists Registration Board requirements for Approved Workshops and Seminars. It consists of 8 workshops on four board required certificate subjects: Intervention Strategies; Record Keeping; Development and Maintenance of Psychological Skills; and Data Collection and Evaluation. Workshops will be delivered by specialist professionals and/or academics with specific skills and knowledge in the identified areas, will be skills based and will be delivered in block workshop formats. While this subject is independent from GHMC968 (Professional Practice Group Supervision B), students enrolled in both subjects will have an opportunity to use the group supervision to further develop workshop skills.

PSYP901 Research Project A Part 1

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: Research Project A aims to equip students with a wide variety of research skills required for professional psychology. The content will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review. Students completing the MPsych program will also complete Research Project B and a project report in the format of a journal article.

PSYP902 Research Project A Part 2

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: Research Project A aims to equip students with a wide variety of research skills required for professional psychology. The content will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review. Students completing the MPsych program will also complete Research Project B and a project report in the format of a journal article.

PSYP903 Research Project B Part 1

Autumn Wollongong On Campus
Credit Points: 16
Pre-requisites: None
Co-requisite: None
Subject Description: Research Project B in combination with Research Project A, aims to equip MPsych (Clinical) students with a wide variety of research skills required

for professional psychology. The context will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review and a project report in the form of a journal article.

PSYP904 Research Project B Part 2

Annual	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 16
Pre-requisites: None
Co-requisite: 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.

PSYP905 Theory of Applied Psychological Practice

Autumn	Wollongong	Flexible

Credit Points: 8
Pre-requisites: 4 year APAC accredited degree in Psychology within the last 10 years and eligible for registration with the Psychology Board of Australia as a provisional psychologist
Co-requisite: None
Subject Description: This subject examines health and behavioural psychological principles and practices alongside psychological models of health and wellbeing. The focus is on the application of these principles and practices, and more specifically the theory underpinning a range of therapeutic approaches (e.g. CBT, IPT, ACT, MI) in a range of contexts including substance abuse and/or mental illness, chronic pain, chronic and terminal illness, forensic, organisational, vocational, and child and adolescent contexts. The socio-cultural underpinnings of health and wellbeing are also examined, with reference to the implications of working with these issues with clients across the lifespan. A scenario-based learning approach is used through case-studies and theoretical reflections upon practical role-plays. Communication of these principles is also covered in terms of shaping reflective practices, diagnosis and assessment, and report writing.

PSYP906 Advanced Ethics and Workplace Professional Practices A & B

Annual	Wollongong	Flexible

Credit Points: 8
Pre-requisites: 4 year APAC accredited degree in Psychology within the last 10 years and eligible for registration with the Psychology Board of Australia as a provisional psychologist. Progression to Part B of this subject requires satisfactory completion of Part A as determined by the course co-ordinator.
Co-requisite: None
Subject Description: This subject addresses ethical and legal issues that will most likely be experienced by psychologists in their professional work, using a combination of on-line lectures and group supervision involvement. However, the subject topics have been chosen to encourage students to reflect on a wide range of issues that the beginning psychologist is likely to encounter and find challenging. Subject areas will include ethical and legal issues in psychological practice that will extend the students' capacities for critical thinking and decision making in professional situations.

PSYP907 Applied Psychological Interventions A & B

Annual	Wollongong	Flexible

Credit Points: 16
Pre-requisites: 4 year APAC accredited degree in Psychology within the last 10 years and eligible for registration with the Psychology Board of Australia as a provisional psychologist. Progression to Part B of this subject requires satisfactory completion of Part A as determined by the course co-ordinator.
Co-requisite: None
Subject Description: This subject extends students' knowledge of the principles, procedures, applications, and research associated with a range of psychological therapies (including CBT, IPT, ACT, MI) for a wide range of psychological disorders and personal coaching applications. There is a substantial focus on practical skills training and supervision regarding the provision of therapy and case management. The aim is to train students/provisional psychologists to a level of basic competence in core counselling skills, case management (including file management and report writing) and case formulation through a range of training methods including therapy demonstrations, role plays, simulated learning, video feedback, and scenario based learning strategies.

PSYP908 Applied Psychological Assessment and Evaluation A & B

Annual	Wollongong	Flexible

Credit Points: 8
Pre-requisites: 4 year APAC accredited degree in Psychology within the last 10 years and eligible for registration with the Psychology Board of Australia as a provisional psychologist. Progression to Part B of this subject requires satisfactory completion of Part A as determined by the course co-ordinator.
Co-requisite: None
Subject Description: This subject reviews the principles underpinning psychological assessment and provides specific instruction and application of a range of psychological assessments. The purpose and limitations of specific psychological tests are examined with specific reference to clinical utility, case formulation and tracking client progress. Practice to demonstrated competence in assessment is a requirement of this subject, and includes administering, scoring and interpreting specific assessments of general intelligence, personality, emotional state, functioning, behaviour and psychological well-being. The subject includes a balance of child, adolescent, adult and older persons assessment, as well as practice in structured diagnostic

interviewing.

PSYP909 External Placements and Reflective Practice

Spring Wollongong Flexible
Credit Points: 8
Pre-requisites: 4 year APAC accredited degree in Psychology within the last 10 years and eligible for registration with the Psychology Board of Australia as a provisional psychologist. Also successful completion of all Autumn subjects as part of this Graduate Diploma of Professional Psychology course.
Co-requisite: None
Subject Description: This subject involves two supervised placements spanning 6 weeks each, mid and end placement performance reviews, with specific placement based competencies. Two separate placements must be successfully completed by the student with service industry partners endorse by UOW. Each placement is completed over six weeks, representing one full day per week (7.5 hours) at the placement site. Exceptions may be made where the placement organisation, UOW supervisor and student identify additional merit in more flexible placement options (e.g. block placement or spread over 12 weeks rather than 6) and where consensus has been reached regarding pragmatics and student demonstration of appropriate competences required for the specific placement. Specific placement objectives and competencies for each placement are determined by a review of each student's progress with the graduate attributes and capabilities and the service industry consultation/requirements (e.g. alcohol and other drug use assessment, co-facilitation of group therapy, etc).

SHS 900 Research Projects

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: A research project designed to develop an understanding of the scientific process through the experience of research. Students will design, propose, conduct, analyse, interpret and then present the results of a research project which can be related to the topic of their Major Thesis.

SHS 901 Practicum

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: A subject which introduces students to their supervisor's laboratory and allows for the development of technical skills and procedures critical to the success of their Major Project. If the student is undertaking a non-laboratory based thesis, another relevant subject may be substituted for SHS 901 with the approval of the HOD.

SHS 902 Special Topics

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: A subject, which develops the students' ability to examine, access, interpret and evaluate primary and secondary source research data and ideas. Students will write an extensive critical review of the literature or other approved area of research related to their Major Thesis.

SHS 903 Independent Study

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with the opportunity to explore an issue or problem of particular interest to their field of study with the assistance of a supervisor. It will allow for the development of the student's knowledge, skills and competencies critical to their discipline.

SHS 930 Health Promotion Competencies

Spring Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will enable students to learn how to effectvely design, implement, manage and evaluate health promotion projects and programs using guidelnes such as those provided by the Ottawa Charter for Health Promotion (1986) and the Bangkok Charter for Health Promotion in a Globalised World (2005). Other skills considered integral to health promotion practice, such as policy advocacy; partnership buildng and collaboration; health education; communication and media skills will also be examined. Students will also be provided with opportunities to apply these skills over the course of the semester.

SHS 931 Public Health Communication & Data Skills

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Students who have already demonstrated acquisition of these communication and data skills.
Subject Description: This subject introduces students to those communication and data skills which are considered essential for public health practice and which underpin other subjects in the MPH. These include the ability to effectively find and critically analyse public health data and to communicate public health knowledge in a variety of formats. The subject is designed in three parts to develop the students' literacy skills in concurrence with the literacy demands of other subjects: Part 1, Introduction to critical analysis; Part 2, Accessing and evaluating information; and Part 3, Structuring arguments and communicating information.

SHS 932 Epidemiology

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6

Pre-requisites: None
Co-requisite: SHS 940- Statistics in Health Research. Students who have already completed SHS 940 should apply for a waiver of this co-requisite.
Exclusions: POP 204 AND SHS 332
Subject Description: This subjects addresses prinicples and methods of epidemiological investigation including analytical and experimental epidemiology. Topics to be covered include: measurement in epidemiology; screening; study design (cross sectional, ecological, case control and cohort studies, as well as randomized controlled clinical trials); analysis of studies; critical appraisial of the literature; criteria for causality; and measurement error such as bias and confounding. These methodological issues will be applied to a range of public health-related areas such as infectious and non-communicable diseases, occupational and clinical epidemiology, health services utilisation and planning for health needs.

SHS 933 Social Determinants of Health

Autumn	Wollongong	On Campus
Autumn	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: GHMD905
Subject Description: This subject introduces students to theories and concepts from the social sciences necessary for the understanding and analysis of public health issues. Using a social determinants framework, it examines socio-economic, cultural and environmental influences on health and health outcomes, explores the meaning of concepts such as class, gender and ethnicity and their importance as determinants of health, and critiques explanations for the persistence of health inequalities.

SHS 934 Health Promotion

Autumn	Wollongong	On Campus
Autumn	Wollongong	Distance

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: POP 202 or SHS 231
Subject Description: Health Promotion is the process of enabling people to take control of and improve their health (WHO, 1986). This subject introduces students to the concept of health promotion and how it has been applied in particular settings -health services, worksites, schools and communities. A new public health approach with particular attention paid to health equity is adopted as it recognises that health is determined by a complex interplay of factors. Theoretical perspectives of behaviour change and public policy, as they are applied within the field of health promotion, will also be critically reviewed.

SHS 935 Public Health Policy

Autumn	Wollongong	Distance
Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Public Health policy will be critically examined at the global, national and local levels and from government and non-government perspectives. The range of public health policy instruments will be explored. Contemporary public health policy issues will be critically examined, including establishment of the policy agenda, implementation and monitoring of the policy, ethics and values, the roles and responsibilities of agencies and health professional groups, participatory processes, and the effectiveness in management of population health risk. Policy analysis will be informed by different theoretical approaches and practical examples.

SHS 936 Public Health Nutrition

Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: Not to count for credit with GHMA930 or BMS310 or SFC902 or SHS 953 or SHS 353
Subject Description: This subject introduces students to the principles of public health nutrition. Global, national and local public health nutrition issues and programs will be explored, within a broad food system framework. Key areas of public health nutrition practice will be introduced, including food regulation, advocacy and government responses. The subject involves on-line discussion of public health nutrition issues and attendance at the block subject delivery. Course materials are available via an e-learning subject site.

SHS 937 Nutrition Promotion

Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject commences with an overview of the global food system, examines the key challenges it presents for public health, looks at some of the historical responses to these challenges, discusses the major influences on consumers' food behaviours, and then moves on to examine the main theories and methods used in this area. In the second part of the subject, the problems and approaches taken within various settings and social systems, such as children's institutions, the workplace, hospitals and health services are examined.

SHS 938 Food & Nutrition Monitoring & Surveillance

Autumn	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Policymakers, food regulators and health professionals need valid and up-to-date information on food consumption patterns and the food supply to assess the influence of food and nutrient intake on health outcomes. Key information required for a Food and Nutrition Monitoring System (FNMS) includes data on: (i) the food supply (food availability and composition); (ii) food purchasing and acquisition patterns (food expenditure, food security); (iii) food and nutrient intake and physical activity patterns and (iv) nutritional status (including biomarkers). This subject provides students with the opportunity to explore different methods and sources of data collection in these four areas. Australia has no ongoing, coordinated Food and Nutrition Monitoring System but available data from regional and ad hoc surveys will be examined, together with examples from other countries (USA, Canada, UK) and international agencies such as FAO and WHO.

SHS 939 Food & Nutrition Policy

Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: GHMD936 OR SHS 936
Co-requisite: None

Subject Description: Food and Nutrition Policy will be critically examined at the global, national and local levels. Critical factors impacting on food policy will be explored through a range of economic, social, political and public health perspectives. Contemporary food policy debates and the roles of public health professionals and other key stakeholders in these debates will be explored. A range of specific food policies will be examined and may include agriculture and trade policies, nutrition policies, food regulations, welfare policy and urban and regional planning.

SHS 940 Statistics in Health Research

Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: GHMD983
Subject Description: Introduces basic statistical concepts and methods. Topics covered: collecting data, designing statistical studies, principles of data presentation; exploratory data analysis, probability and statistical models emphasising binomial and normal distributions; categorical data, contingency tables and the Chi-squared distribution; sampling, sample means and the central limit theorem; inference - point estimation, confidence intervals, testing hypotheses; inference about single parameters; comparing means and proportions, analysis of variance, demography.

SHS 941 Public Health Research Methodology

Spring Wollongong Distance
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: GHMD983 or SHS 940 or GHMB950 or SHS 932 or equivalent
Subject Description: This subject introducts students to key components of public health research, with an emphasis on research methodology and practical skills which can be applied in public health settings. Topics will include: literature review skills, development of a research proposal, ethics considerations, including ethics requirements for indigenous health research, study and survey design, and interviewing skills.

SHS 942 Major Project

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 24
Pre-requisites: GHMD984 OR SHS 941
Co-requisite: None
Subject Description: The aim of this subject is to allow students to design and conduct a small public health research project under supervision. The type of project will be decided in conjunction with the project supervisor; options include an empirical study, a critical review of existing materials such as a meta-analysis, an evaluation of a service or program, or the development and testing of an educational program. All students will write a project proposal, critically analyse the relevant literature, and write a final report or other assessments. Students will also present their work to a School of Health Sciences seminar. Approval from the University Human Research Ethics Committee will be required if the project involves human participants.

SHS 951 Nutrients and Metabolism

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: BIOL214 and BMS 202 or BIOL214 and SHS 211 or Equivalent subjects 2nd Year Biochemistry & Physiology.
Co-requisite: None
Exclusions: BMS 311 OR SHS 351
Subject Description: This subject articulates with prior subjects and integrates the nutritional knowledge with the science of biochemistry and physiology. It is a fundamental subject on which further studies in the science of nutrition can be built upon. This subject covers the need for nutrients and how the human body metabolises these nutrients. It begins with basic concepts such as bioavailability of nutrients from food. It then focuses on specific nutrients, namely protein and fat quality, folate and B vitamins, antioxidants and soy phytoestrogens, most of which do not have Nutrient Reference Values (NRVs). The overall aims are 1) to understand the relationships between intake of nutrients and health status; 2) to develop an appreciation for the development of an RDI/AI/NRV for a nutrient and 3) to assess the feasibility of achieving recommendations of intakes of nutrients.

SHS 952 Research in Human Nutrition

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: STAT151 or Equivalent
Co-requisite: None
Exclusions: BMS 312 or SHS 352
Subject Description: The subject will introduce students to a range of key areas of research in human nutrition. Beginning with an overview of nutrition research and the development of literature reviews, topics will include diet intake methodology, the use of nutrient databases, biomedical assays and indicators, epidemiological and ethnographic approaches as they relate to nutrition.

SHS 953 Community and Public Health Nutrition

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Exclusions: BMS310 OR GHMD936 OR SFC 902 OR SHS 936 OR SHS 353
Subject Description: Key areas of community and public health nutrition include nutrition monitoring & surveillance, food policy, program planning and health promotion. Current issues in public health nutrition will be reviewed. Submission of some assignment work via eLearning Space.

SHS 970 Advanced Workplace Injury Management

SHS Feb Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This course provides students with an overview of workplace injury management and return to work strategies for injured workers. Australian and international models of workers' compensation schemes are examined to illustrate different approaches to workplace injury. Principles of workplace rehabilitation and legislative requirements, specific to NSW, will be covered as an example of a Workplace Injury Management System. Students should gain practical skills and experience in workplace injury management and assessment through the use of

case studies, with the emphasis on injury management - maintaining an injured worker in the workplace through appropriate workplace assessment, matching worker capabilities with work tasks, reducing the risk of re-injury, and promoting the return to full duties.

SHS 971 OHS Risk Management

SHS July Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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; and the development of a safety management plan. Students will conduct risk management assessments and gain experience in writing reports suitable to submit to industry. Students will use their knowledge of risk management principles to assess OHS hazards in the workplace and recommend appropriate control strategies.

SHS 972 Principles of Occupational Hygiene

SHS Sept Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 demonstrate how this information is used by practitioners to recognise, evaluate and control workplace exposures.

SHS 973 Optimising OHS System Performance

SHS July Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: SHS 971 or GHMA923
Subject Description: Traditional OH&S performance based strategies are giving way to developments in behavioural science that 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 systems and programmes operating in industry so they understand the concepts and influences behind the role of the OH&S professional in influencing management. Topics covered will include the elements of an effective safety system, 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; 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 safety systems and the inter relationship with human behaviour and the necessary skills to undertake a critical review of OH&S strategies and the development of effective interventions.

SHS 974 Measurement of Hazardous Substances

SHS Mar Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 focus in detail on the role and application of atmospheric monitoring. It addresses the theory of sampling, practical sampling and analytical considerations and the calculation and presentation of results. Numerical calculations are included to ensure that the underlying principles are well understood.

SHS 975 Thermal Environment

SHS July Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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; and provide guidance on those control measures that can be used to minimise the effects of adverse thermal conditions in the workplace.

SHS 976 Noise - Measurement and its Effects

SHS Oct Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide the student with an appreciation of the nature of noise hazards in the workplace and the effects of noise on people. Additionally, the subject details the approach in conducting noise assessments in the workplace as well as the general environment; and to determine the significance of measurement data in relation to the various standards for compliance.

SHS 977 Control of Hazardous Substances

SHS Sept Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide the student with an appreciation of workplace processes and practices where hazardous substances occur and the

methods that can be used to control employee exposures to those hazardous substances. Additionally, the subject details the approach in conducting assessments of ventilation systems (a key control technology) in the workplace to establish if the ventilation system is effective and operating to its design specifications.

SHS 978 Asbestos and Other Fibres

SHS Sept Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to enhance the student's knowledge of occupational hygiene practice in relation to fibrous dusts such as asbestos, synthetic mineral fibres (glass fibre, rock wool etc) and aramids (such as Nomex, Kevlar, Twaron etc) of which the latter are increasingly found in industrial processes. This subject provides guidance as to how these products can be managed so as to minimise employee exposures. This includes understanding the health effects, evaluating workplace exposures, and management of fibrous materials in workplaces.

SHS 979 Ergonomics Essentials

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of the subject is to provide the student with a broad based introduction to ergonomics principles and their application in the design of work, equipment and the workplace. Specific consideration will be given to musculoskeletal disorders, manual handling, ergonomics aspects of the environment, social aspects and relevant international standards.

SHS 980 Epidemiology and Toxicology for OHS Practitioners

SHS Mar Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide the student with a sound knowledge of the principles of industrial toxicology and epidemiology and its relevance with workplace health. This will assist with their understanding of the basis of workplace exposure standards and how they can be applied in the working environment. Students will also gain experience as to how they should research the health effects of various contaminants in the workplace.

SHS 981 Occupational Hygiene in the Oil and Gas Industry

SHS July Wollongong On Campus
Credit Points: 6
Pre-requisites: SHS974 and SHS 975 and SHS 977 and SHS 980
Co-requisite: None
Subject Description: The aim of this subject is to provide the student with specialist information relating to workplace situations likely to arise in the oil and gas industry. Specific information will be provided as to how various situations can be identified, assessed and controlled. Topics covered include exposure assessment, role of the occupational hygienist, design and construction risks, risk communication, specific risks in upstream and down-stream sites and emergency response.

SHS 982 Occupational Hygiene in the Mining Industry

Not on offer in 2012
Credit Points: 6
Pre-requisites: SHS974 and SHS 977 and SHS 980 and SHS 975
Co-requisite: None
Subject Description: The aim of this subject is to provide the student with specialist information relating to workplace situations likely to arise in the mining industry. Specific information will be provided as to how various situations can be identified, assessed and controlled. Topics covered include exposure assessment, role of the occupational hygienist, design and construction risks, risk communication, specific risks in mining and mineral processing sites and emergency response.

SHS 983 Occupational Hygiene Project

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SHS 974, SHS 980 and SHS 977
Co-requisite: None
Subject Description: For successful completion of this subject each student will be required to undertake a suitable occupational hygiene project associated with their employment and research the issue(s) identified. The project should focus on a workplace where a potential for exposure from a chemical, physical or biological contaminant may exist and provides the opportunity to collect and critically evaluate data and prepare a report. For those students who cannot undertake a project at their workplace, suitable alternate projects will be provided. Each student will have access to a mentor who will help guide them through the project.

SHS 984 Occupational Health & Safety Project

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: SHS 972, SHS971,SHS 970, LAW 969
Co-requisite: SHS 979, SHS 973, SHS 980
Subject Description: The aim of this subject is to develop the student's skills in the areas of critical thinking, investigation, research methods and presentation of results. Each student will be required to undertake a suitable project associated with their employment and research the issue, undertake data collection, critically evaluate data and prepare a report. Students must be able to undertake their project at an agreed sponsoring company or their own workplace.

THES916 Thesis Part Time

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 16
Pre-requisites: None
Co-requisite: None
Subject Description:

Faculty of Informatics

Courses Offered

Doctor of Philosophy (Integrated) *(see page 248)*

School of Computer Science and Software Engineering

Doctor of Philosophy *(see page 251)*
Graduate Diploma in Computer Science *(see page 252)*
Master of Computer Science *(see page 253)*
Master of Computer Science Advanced *(see page 255)*
Master of Computer Science - Research *(see page 257)*
Master of Computer Studies *(see page 258)*

School of Electrical, Computer and Telecommunications Engineering

Doctor of Philosophy *(see page 259)*
Graduate Certificate in Electrical Power Engineering *(see page 261)*
Graduate Certificate in Engineering *(see page 262)*
Graduate Diploma in Technology Engineering *(see page 263)*
Master of Electrical Power Engineering *(see page 263)*
Master of Engineering *(see page 264)*
Master of Engineering - Research *(see page 266)*
Master of Engineering Practice (Mechatronics) *(see page 266)*
Master of Engineering Studies *(see page 267)*
Master of Professional Engineering *(see page 269)*
Master of Technology Engineering *(see page 272)*

School of Information Systems and Technology

Doctor of Philosophy *(see page 273)*
Master of Health Informatics *(see page 274)*
Master of Health Leadership and Management *(see page 275)*
Master of Information and Communication Technology *(see page 276)*
Master of Information and Communication Technology Advanced *(see page 279)*
Master of Information Systems and Technology - Research *(see page 281)*
Master of Information Technology Management *(see page 282)*
Master of Information Technology Studies *(see page 284)*
Master of Information Technology Studies Advanced *(see page 285)*

School of Mathematics and Applied Statistics

Doctor of Philosophy *(see page 286)*
Master of Financial Mathematics *(see page 287)*
Master of Mathematics *(see page 288)*
Master of Mathematical Studies *(see page 289)*
Master of Science - Research *(see page 290)*
Master of Statistics *(see page 292)*

For tuition fee information please see the following:
Domestic - www.uow.edu.au/student/finances
International - http://www.uow.edu.au/future/international/apply/fees

Doctor of Philosophy (Integrated)

Testamur Title:	Doctor of Philosophy (Integrated)
Abbreviation:	PhD (Integrated)
Home Faculty:	Faculty of Informatics
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Supervised individual research
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	210
CRICOS Code:	072793K – Information Technology & Computer Science; 074737B – Electrical, Computer & Telecommunications Engineering; 074738A – Mathematical Sciences

Overview

The PhD (Integrated) is a four-year research degree which integrates a traditional three-year PhD thesis with one-year of coursework, comprising generic research training and discipline-specific content in a single degree.

The coursework provides candidates with the opportunity to develop their research skills while allowing additional time to develop a detailed research topic, therefore providing greater certainty and better completion outcomes in the thesis.

The coursework also allows candidates to take individual subjects in a specific discipline area, thereby providing a deeper level of content from which to draw potential research themes. International students intending to become university researchers and teachers in their home country will benefit from exposure to Australian teaching methods through the inclusion of these 'taught' coursework subjects.

The PhD Integrated is ideal for applicants who aspire to graduate with a PhD and who:

- want a flexible program which includes a selection of coursework subjects included in a specific discipline area of their interest; and
- need further time to develop a detailed research proposal; or
- need to develop their research training skills in order to demonstrate their capacity to undertake the major research thesis.

Entry Requirements

Applicants should have a minimum of four years of study at degree level, either a four-year Bachelor degree, or a Bachelor degree plus Masters by Coursework, with a minimum Credit average (65% or GPA 3.0 out of 4.0), or equivalent. Approval is subject to the availability of supervision for the proposed thesis topic.

For further information regarding Entry Requirements, refer to the Course Entry Criteria.

Course Requirements

Year 1: Coursework

All students complete one year (48 credit points) of coursework in the first year, comprising:

Research Training Skills

Between 12-24 credit points must be completed from research training skills subjects offered by the respective Faculty, typically including one or more of:

- Research methodology
- Literature review, critical analysis, or laboratory projects
- Advanced topics, or a minor research project

All students will also complete at least four modules from the suite of student seminars and workshops coordinated by the Research Students Centre. Modules which develop thesis writing skills will be emphasised.

Individual Coursework Subjects

The remaining 24-36 credit points are chosen coursework programs available within respective Faculties. As a guide, individual subjects are normally available from options within the Masters by Coursework degrees within the Faculty, thereby allowing students to obtain deeper content knowledge in a specific discipline area. For a list of subjects for PhD Integrated students see the Informatics PhD (Integrated) Subject List.

Faculty of Informatics – PhD (Integrated) Subject List

Candidates will be required to complete a total of 48 credit points of coursework subjects consisting of a selection of research training and relevant discipline subjects which support the intended area of research, as determined by the Head of Postgraduate Studies (HPS)

Computer Science & Software Engineering

Subject		Session	Credit Points
Compulsory research training subjects:			
RESH900	Fundamentals of HDR Writing	Spring	6
CSCI991	Project	Annual	12
CSCI940	CS Research Methodology	Autumn/Spring	6
INFO911	Data Mining & Knowledge Discovery	Autumn	6
Plus a schedule of subjects from the list below, approved by the HPS:			
CSCI910	Formal Methods in Software Engineering	Autumn	6
CSCI920	Contemporary Topics in Computer Science	Spring	6
CSCI926	Software Testing and Analysis	Autumn	6
CSCI927	Service-Oriented Software Engineering	Spring	6
CSCI936	Visualisation	Autumn	6
CSCI944	Perception and Planning	Spring	6
CSCI946	Multimedia Content Management	Spring	6
CSCI964	Computational Intelligence	Autumn	6
CSCI966	Coding for Secure Communications	Autumn	6
CSCI968	Advanced Network Security	Autumn	6
CSCI969	Topics in Applying Information Security	Autumn/Spring	6
CSCI971	Advanced Computer Security	Spring	6
INFO912	Mathematics for Cryptography	Autumn	6
INFO933	Pattern Recognition	Autumn	6

Electrical, Computer & Telecommunications Engineering

Subject		Session	Credit Points
All students must complete the following two compulsory research training subjects:			
RESH900	Fundamentals of HDR Writing	Spring	6
ECTE953	Advanced Project	Annual	12
Plus the relevant discipline subjects as listed below. These subjects may be varied with the approval of the HPS.			
Telecommunications			
ECTE965	Wireless Communication Systems	Spring	6
ECTE962	Telecommunications Systems Modelling	Autumn	6
ECTE967	Mobile Networks	Autumn	6
ECTE992	Internet Networking Protocols	Spring	6
ECTE986	Telecommunications Network Management	Spring	6
Control/Robotics/Automation			
ECTE941	Intelligent Control	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE944	Identification and Optimal Control	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6
ECTE933	Embedded Systems	Autumn	6
Electrical/Power			
ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power Systems Analysis	Autumn	6
ECTE927	Renewable and Distributed Generation	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE942	Computer Controlled Systems	Spring	6
Computer			
ECTE933	Embedded Systems	Autumn	6
ECTE935	Advanced Computer Architecture	N/O 2012	6
ECTE903	Image and Video Processing	Spring	6
ECTE931	Real-time Computing	Autumn	6
ECTE932	Computer Architecture	Spring	6

Information Systems & Technology

Subject		Session	Credit Points
Compulsory research training subjects:			
RESH900	Fundamentals of HDR Writing	Spring	6
ISIT999	Information Systems Project	Annual	18
OR			
ISIT998	Information Technology Research Report	Annual	12
And:			
ISIT940	Research Methods	Autumn	6
Plus a schedule of subjects from the list below, approved by the HPS:			
ISIT900	Fundamentals of Contemporary Technologies	Autumn/Spring	6
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT903	Enterprise Architecture Design	Autumn	6
ISIT904	Systems Integration	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT906	Information Design and Content Management	Spring	6
ISIT908	IT Governance	Spring	6
ISIT909	Advanced Business Process Management	Spring	6
ISIT916	Organisational Issues and IT	Autumn	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6
ISIT918	Strategic Network Management	Autumn	6
ISIT924	Simulation and Modelling	Spring	6
ISIT925	Strategic Network Design	Spring	6
ISIT929	Concepts and Issues in Healthcare Computing	Spring	6
ISIT930	Introduction to Health Informatics	Autumn	6
ISIT938	eBusiness Technologies	Autumn	6
ISIT946	Project and Change Management	Spring	6
ISIT950	Systems Development Methodologies	Autumn	6
ISIT951	Web Services and Service Oriented Architecture	Spring	6

Mathematics & Applied Statistics

Subject		Session	Credit Points
Compulsory research training subjects:			
RESH900	Fundamentals of HDR Writing	Spring	6
MATH991	Project	Annual/Spring	12
OR			
STAT991	Project	Annual/Spring	12
Plus			
INFO911	Data Mining and Knowledge Discovery	Autumn	6
Plus a schedule of subjects from the list below, approved by the HPS:			
INFO912	Mathematics for Cryptography	Autumn	6
MATH902	Solutions to Differential Equations by One-Parameter Groups	n/o2012	6
MATH941	Financial Calculus	Autumn	6
MATH942	Numerical Methods in Finance	Spring	6
MATH943	Practitioners' Seminar	Annual/Spring	6
SHS940	Statistics in Health Research	Spring	6
STAT901	Modern Inference	n/o 2012	6
STAT902	Advanced Data Analysis	Autumn	6
STAT903	Survey Design and Analysis	Spring	6
STAT904	Statistical Consulting	Autumn	6
STAT906	Experimental Design	Spring	6
STAT920	Stochastic Methods in Finance	Autumn	6
STAT921	Linear and Generalised Linear Models	Spring	6
STAT922	Statistical Inference	Spring	6
STAT923	Applied Probability and Financial Risk	Autumn	6
STAT955	Sample Surveys and Experimental Design (with Project)	Autumn	6

Other Information

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

Years 2-4: Research

The research component is the same as for the three-year PhD program and leads to the production of a written thesis. 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 Head of Postgraduate Studies.

In order to progress to the research component, PhD Integrated students must complete the first year with an average of 65%, including 65% in each research training skills subject. Students progressing to the research component will have developed their specific research topic before commencing the research component.

Students not meeting requirements for progression into Year 2 may be offered the alternative of transferring into a Masters program.

Other Information

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

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics
	(School of Computer Science and Software Engineering)
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Individual supervised 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 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
- 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
- Distributed Systems
- Agent and Multi-agent Techniques
- Data Mining and Modelling
- Agent Programming
- Constraint Programming
- Knowledge Representation and Reasoning

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

Graduate Diploma in Computer Science

Testamur Title:	Graduate Diploma in Computer Science
Abbreviation:	GradDipCompSc
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	SIM Session 1, SIM Session 2, SIM Session 3, SIM Session 4.
Location:	Singapore Institute of Management (SIM)
UOW Course Code:	687
CRICOS Code:	NA

Overview

This degree is designed to provide state of the art knowledge and specialist skills in Computer Science. It is suitable for candidates who have existing but limited ICT/Engineering technical qualifications or who have significant experience in related fields, but wish to upgrade their knowledge and understanding in this field. The degree is designed primarily for professionals who wish to progress upwards or broaden their career in the ICT industry.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with at least a 60% average in an area related to ICT/Engineering. Applicants with a degree in any area plus at least one year full-time employment in the ICT industry will be considered.

Course Requirements

The degree requires satisfactory completion of 48 credit points that include:

a)24 credit points selected from the subject list for one of the major studies; and

b)24 credit points selected from the approved 300 level computer science subjects.

Areas of Major Study

Students enrolled in this degree may choose to major in:

- Digital Systems Security
- Multimedia and Game Development

Requirements for majors

Subjects		Credit Points
Digital Systems Security		
CSCI262	System Security	6
CSCI361	Cryptography and Secure Applications	6
CSCI368	Network Security	6
CSCI319	Distributed Systems	6
Multimedia and Game Development		
CSCI236	3D Modelling and Animation	6
CSCI336	Computer Graphics	6
CSCI346	Game Development	6
CSCI356	Game Engine Fundamentals	6
CSCI366	Multimedia Computing	6
Select 4 subjects from the following 300 level computer science list (in addition to subjects in the majors above):		
CSCI236	3D Modelling and Animation	6
CSCI262	Systems Security	6
CSCI311	Software Process Management	6
CSCI315	Database Design and Implementation	6
CSCI319	Distributed Systems	6
CSCI322	Systems Administration	6
CSCI324	Human Computer Interface	6
CSCI336	Computer Graphics	6
CSCI346	Game Development	6
CSCI356	Game Engine Fundamentals	6
CSCI358	Security Engineering	6
CSCI361	Cryptography and Secure Applications	6
CSCI366	Multimedia Computing	6
CSCI368	Network Security	6
IACT301	Information and Communication Security Issues	6
ISIT302	Corporate Network Management	6

Professional Recognition

Accreditation will be sought for this degree.

Other Information

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

Master of Computer Science

Testamur Title:	Master of Computer Science
Abbreviation:	MCompSc
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	585
CRICOS Code:	012129F

Overview

This degree is designed to provide advanced studies in Computer Science at a professional level and also prepare students for the Master of Computer Science – Research or Doctoral research programs. Candidates may choose to complete a single major in a sub-discipline such as Multimedia Information Processing, Software Engineering, Computer and Network Security or Intelligent Systems.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with a major in Computer Science, Software Engineering or Computer Engineering, with at least a 60% average.

Applicants will be required to attend a UNIX Workshop during Orientation Week, unless they can demonstrate

proficiency in an object-oriented programming language (for example C++ or Java) and operating systems (eg: UNIX or Linux).

Course Requirements

The degree requires satisfactory completion of 900 level subjects to the value of at least 48 credit points including:

(a) CSCI920 Contemporary Topics in Computer Science

(b) At least three (3) subjects (18 cp) chosen from one major subject list;

(c) Plus an additional four (4) subjects (24cp) of 900 level subjects. These subjects are normally to be selected from the CSCI Graduate Subject List. A student given prior permission by the Head of School may select up to two (2) 900 level ISIT, MATH, STAT, ECTE or TBS subjects in place of subjects in the CSCI Subject List. The Head of School may approve a 900 level subject from another discipline if it is of particular relevance to a chosen program of study. This approval must be sought PRIOR to enrolment in the subjects.

Areas of Major Study

Students enrolled in this degree may choose to major in:

- Computer and Network Security
- Intelligent Systems
- Multimedia Information Processing
- Software Engineering

Requirements for majors

Subjects		Session	Credit Points
Multimedia Information Processing Subject List:			
INFO933	Pattern Recognition	Autumn	6cp
ECTE903	Image and Video Processing	Spring	6cp
CSCI935	Computer Vision	Spring	6cp
Software Engineering Subject List:			
CSCI910	Formal Methods in Software Engineering	Autumn	6cp
CSCI928	Software Engineering Requirements and Specification	Spring	6cp
CSCI926	Software Testing and Analysis	Autumn	6cp
CSCI927	Service-Oriented Software Engineering	Spring	6cp
Computer and Network Security Subject List:			
CSCI966	Coding for Secure Communication	Autumn	6cp
CSCI968	Advanced Network Security	Autumn	6cp
CSCI971	Advanced Computer Security	Spring	6cp
Intelligent Systems Subject List:			
CSCI964	Computational Intelligence	Not on offer in 2012. See Course Coordinator to take alternative as CSCI981	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".

Other Information

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

Master of Computer Science Advanced

Testamur Title:	Master of Computer Science Advanced
Abbreviation:	MCompScAdv
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1613
CRICOS Code:	067080G

Overview

This degree is designed to provide advanced studies in Computer Science at a professional level and also prepare students for the Master of Computer Science - Research or Doctoral research programs. In particular this degree allows students to specialise in at least two majors and research methods training.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with a major in Computer Science, Software Engineering or Computer Engineering, with at least a 60% average.

Applicants will be required to attend a UNIX Workshop during Orientation Week, unless they can demonstrate proficiency in an object-oriented programming language (for example C++ or Java) and operating systems (eg: UNIX or Linux).

Course Requirements

The degree requires satisfactory completion of 900 level subjects to the value of at least 96 credit points, including:

(a) CSCI920 Contemporary Topics in Computer Science (6cp)

(b) At least six (6) subjects (36cp) chosen from a major subject list;

(c) At least six (6) subjects (36cp) chosen from a second major subject list;

(d) Satisfactory completion of CSCI940 Research Methodology (6cp); and

(e) CSCI991 Project (12cp)*

*Note: CSCI991 Project (12 cp) -

(i) Enrolment in CSCI991 Project (12 cp) will be permitted if a mark of 75% is attained in CSCI940 Research Methodology

(ii) if a mark of 75% **is NOT attained** in CSCI940 Research Methodology then the candidate must take an additional two (2) subjects (12cp) of 900 level subjects.

These subjects would normally be chosen from the CSCI Graduate Subject List.

However, the Head of School may approve subjects from another discipline. Such a subject would normally come from 900-level ISIT, MATH, STAT, ECTE or TBS subjects, though alternatives from other disciplines can be considered if of relevance to a chosen programme of study. This approval must be sought PRIOR to enrolment in the subject.

Areas of Major Study

Candidates enrolled in this degree may choose to major in 2 of the following:

- Information Security
- Multimedia Intelligent Processing
- Software Engineering & Project Management

Requirements for majors

Multimedia & Intelligent Processing Subject List:			
Choose 6 of the following:			
INFO933	Pattern Recognition	Autumn	6cp
CSCI935	Computer Vision	Spring	6cp
CSCI964	Computational Intelligence	Not on offer in 2012+	6cp
CSCI944	Perception and Planning	Spring	6cp
CSCI924	Reasoning and Learning	Spring	6cp
CSCI936	Visualisation	Autumn	6cp
CSCI946	Multimedia Content Management	Spring	6cp
ECTE901	Multimedia Signal Processing	Autumn	6cp
ECTE903	Image and Video Processing	Spring	6cp
ECTE906	Advanced Signals and Systems	Autumn /Spring	6cp
Software Engineering & Project Management Subject List:			
Choose 3 of the following:			
CSCI910	Formal Methods in Software Engineering	Autumn	6cp
CSCI928	Software Engineering Requirements and Specification	Spring	6cp
CSCI926	Software Testing and Analysis	Autumn	6cp
CSCI927	Service-Oriented Software Engineering	Spring	6cp
Choose 3 of the following:			
ISIT900	Fundamentals of Contemporary Technologies	Autumn/ Spring	6cp
ISIT905	Technology Management and Innovation	Autumn	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 (note has a pre-requisite of ISIT900)
Information Security Subject List:			
Choose 6 of the following:			
CSCI966	Coding for Secure Communication	Autumn	6cp
CSCI968	Advanced Network Security	Autumn	6cp
CSCI969	Topics in Applying Information Security	Autumn/ Spring	6cp
CSCI971	Advanced Computer Security	Spring	6cp
INFO912	Mathematics for Cryptography	Autumn	6cp
ISIT937	Information Technology Security and Risk Management*	Autumn	6cp
+ See degree coordinator to enrol in alternative of CSCI981 *This subject can only count for ONE major if both majors are attempted			

Professional Recognition

The Master of Computer Science Advanced is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

Other Information

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

Master of Computer Science - Research

Testamur Title:	Master of Computer Science – Research
Abbreviation:	MCompSc–Res
Home Faculty:	Informatics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	Face-to-face, or combination of Face-to-face/Distance
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1313
CRICOS Code:	042541A

Overview

This program is designed to equip students with superior skills in research design and methodology in preparation for leadership roles in the field of computer science.

Entry Requirements / Assumed Knowledge

This is primarily a research degree normally 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 research training component.

Credit Transfer

Candidates with an Honours Bachelor degree at a standard of Class II, Division 2 or higher, or Masters by coursework degree, may be given exemption from all, or some, of the 24 credit points of coursework and admitted directly to the 48 credit point research thesis component. This is contingent on evidence of proven research experience.

Course Requirements

The degree is normally 72 credit points, consisting of a 48 credit point research thesis and 24 credit points of coursework. The program must be completed in a maximum time of two years full-time and requires satisfactory completion of the following:

1. CSCI940 Research Methodology (6cp)
2. Three subjects (18cp) from the CSCI Graduate Subjects List to constitute a coherent introduction to the proposed area of research, as agreed to by Head of School. (Note: students must achieve at least a WAM of 67.5% in the coursework component); and
3. 48 credit point thesis.

Candidates who fail to meet the requisite standard for the coursework component may have their enrolment cancelled. In this case, a candidate may be eligible to apply for one of the graduate certificates offered by the Faculty or transfer to a 48 credit point Masters by coursework degree.

A candidate may not include for this degree subjects similar in content to subjects included in their Honours or previous Masters. Each candidate shall have a supervisor and a co-supervisor appointed on the recommendation of the Head of the School of Computer Science and Software Engineering.

Current Research Areas

Refer to Current Research Areas under the Doctor of Philosophy entry for the School of Computer Science and Software Engineering.

Other Information

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

Master of Computer Studies

Testamur Title:	Master of Computer Studies
Abbreviation:	MCompStud
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1612
CRICOS Code:	067081G

Overview

The objective of this program is to provide state-of-the-art knowledge and specialist skills in Computer Science. It is suitable for candidates who have a Bachelor degree in areas other than ICT and wish to pursue a career in computer science.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, in any discipline, with at least a 60% average.

Course Requirements

Candidates must successfully complete 16 subjects to a value of 96cp, including:

1. Nine (9) Core Subjects to a value of at least 54cp;
2. No more than four (4) subjects selected from Elective Subjects List A; and
3. At least three (3) subjects selected from the Elective Subjects List B.

Course Program

Core Subjects - Nine (9) subjects should be selected

Subject code	Subject name	Session	Credit Points
MCS9102	Information Systems	Autumn	6
MCS9103	Algorithms and Problem Solving	Autumn/ Spring	6
MCS9114	Procedural Programming	Autumn/ Spring	6
MCS9124	Applied Programming	Autumn/ Spring	6
MCS9201	Professional Practice & Ethics	Autumn	6
MCS9203	Algorithms and Data Structures	Autumn	6
MCS9204	Object & Generic Programming in C++	Autumn/ Spring	6
MCS9212	Interacting Systems	Autumn	6
MCS9222	Systems Development	Autumn/Spring	6

Elective Subjects for List A- No more than four (4) subjects should be selected

Subject code	Subject name	Session	Credit Points
MCS9110	Introduction to W3 Technologies	Spring	6
MCS9236	3D Modelling and Animation	Spring/Summer	6
MCS9262	Systems Security	Spring	6
MCS9205	Software Development Methods & Tools	Spring	6
MCS9206	Markup Languages	Autumn	6
MCS9213	Java Programming and Applications	Spring	6
MCS9235	Database Systems	Spring	6

Elective Subjects for List B- At least three (3) subjects should be selected

Subject code	Subject name	Session	Credit Points
MCS9301	Information and Communication Security	Spring	6
MCS9303	Social Informatics and the Workplace	Spring	6
MCS9311	Software Process Management	Autumn	6
MCS9315	Database Design and Implementation	Spring	6
MCS9317	Database Performance Tuning	Spring	6
MCS9318	Software Engineering Practices and Principles	Spring	6
MCS9319	Distributed Systems	Autumn	6
MCS9322	Systems Administration	Spring	6

MCS9323	Artificial Intelligence	Autumn	6
MCS9324	Human Computer Interface	Not on offer in 2012	6
MCS9330	Operating Systems	Spring	6
MCS9336	Computer Graphics	Autumn	6
MCS9337	Organisation of Programming Languages	Spring	6
MCS9346	Game Development	Autumn	6
MCS9356	Game Engine Fundamentals	Spring	6
MCS9358	Security Engineering	Spring	6
MCS9361	Cryptography and Secure Applications	Autumn	6
MCS9366	Multimedia Computing	Autumn	6
MCS9368	Network Security	Spring	6
MCS9398	Introduction to Enterprise Computing	Spring	6
MCS9399	Server Technology	Autumn	6

Professional Recognition

The Master of Computer Studies is accredited by the Australian Computer Society as meeting requirements for membership at a "Professional Level".

Student Income Support

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

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

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

Other Information

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

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics
	(School of Electrical, Computer and Telecommunications Engineering)
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
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 and significant contribution to the body of knowledge in their chosen studies. This qualification can lead to or enhance an academic career and is highly regarded by private and public sector employers.

Entry Requirements/Assumed Knowledge

A four-year Honours Bachelor of Engineering degree (minimum Class 2, Division 2 or higher); or a Masters by Coursework in an appropriate discipline (at the required level); or a Master of Engineering – Research, in one of the following areas: Computer, Electrical, Electronic or Telecommunications Engineering; or equivalent.

The School normally requires students to register initially for the Masters by Research program. Subject to satisfactory progress, including the presentation of a report and seminar, a student's candidature may be transferred to Doctor of Philosophy (PhD) after one year, without penalty.

Course Requirements

This program is by 100% thesis. Students may be required to attend lectures in relevant topics from time to time throughout the program.

All new students enrolling in a research degree are expected to prepare and defend a research proposal early in their candidature. Normally, the degree will be completed in not less than four, and not more than eight, academic sessions of full-time study, or six to 16 sessions of part-time study.

Current Research Areas

The following areas of research are available to candidates undertaking the degrees of Doctor of Philosophy or Master of Engineering - Research:

Intelligent Mechatronics: Automation

- Advanced control systems
- Control networks
- Haptic rendering
- Machine tool design
- Precision position and speed control
- Robotics and sensors
- Telerobotics
- Virtual manipulation

Intelligent Mechatronics: Applications

- Arc welding control
- Medical image processing
- Renewable energy sources
- Superconducting magnetic energy storage
- Virtual surgery

Power: Quality and Reliability

- Conducted electromagnetic interference (EMI)
- Data mining
- Distribution system reliability
- Harmonic management
- Power electronics and drives
- Power quality monitoring and data analysis
- Power quality indices and reporting
- Standardisation
- Voltage fluctuations and flicker

Telecommunications: Digital Signal Processing

- Adaptive filtering
- Blind signal processing
- Coding for error-prone channels
- Computational auditory scene analysis
- Data mining
- Filter banks and wavelets
- Image and video segmentation, compression and retrieval
- Internet access technologies (xDSL)
- Low-rate speech coding
- Multirate signal processing
- Wideband speech/audio coding
- 3D Audio objects and environments

Telecommunications: Network Services

- Internet and WWW services
- Internet telephony
- Multimedia databases
- Network games
- Video on demand

- Virtual reality

Telecommunications: Photonics

- Bragg grating sensing system
- Fibre Bragg grating design and writing
- FBG devices for optical communication systems
- Optical fibre

Telecommunications: Switched Networks

- Active networks
- Ad hoc multi-hop networking
- Closed loop control in packet networks
- Location aware networking
- Network dimensioning
- Network management
- Network traffic modelling and control
- Wireless internet protocols

Telecommunications: Wireless Communications

- Code division multiple access systems
- Microwave propagation and channel modelling
- Mobile ad hoc networks
- Sequence design
- Smart antennas
- Space-time coding
- Ultra wideband communications

Note: Not all areas are available for research at all levels, nor at all times.

Other Information

It is possible to downgrade enrolment from a PhD to a Master of Engineering - Research, with the permission of the Head of School. Further information is available at http://coursefinder.uow.edu.au/ or email: informatics_studenq@uow.edu.au

Graduate Certificate in Electrical Power Engineering

Testamur Title:	Graduate Certificate in Electrical Power Engineering
Abbreviation:	GCertElecPowEng
Home Faculty:	Informatics
Duration:	1 year part-time (minimum)
Total Credit Points:	24
Delivery Mode:	Flexible (3 day workshops for each subject)
Starting Session(s):	Autumn/Spring
Location:	Sydney
UOW Course Code:	1189
CRICOS Code:	N/A

Overview

The objective of this course is to provide specific education in areas key to the Australian electricity distribution industry. The subjects offered under this program will be delivered by industry experts and are designed to provide students with skills and education specific to the needs of industry.

Entry Requirements/Assumed Knowledge

A four year Australian Bachelor degree specialising in Electrical Engineering and minimum achievement of Honours Class II Division II is required for students to be eligible to enrol in this program of study.

Note: Students who have at least 2 years or more relevant electricity industry work experience are eligible to be considered for this program in-lieu of Honours Class II Division II.

Course Requirements

The Graduate Certificate in Electrical Power Engineering requires the satisfactory completion of four subjects (24 credit points) selected from those offered under the Master of Electrical Power Engineering program of study.

The program is offered on a part-time basis by mandatory attendance at a face-to-face 3-day intensive learning session for each subject.

Other Information

Students who satisfactorily complete the Graduate Certificate in Electrical Power Engineering are eligible to apply for entry into the Master of Electrical Power Engineering coursework program. Further information is available at http://coursefinder.uow.edu.au/ or email: informatics_studenq@uow.edu.au

Graduate Certificate in Engineering

Testamur Title:	Graduate Certificate in Engineering
Abbreviation:	GCertEng
Home Faculty:	Informatics
Duration:	0.5 year full-time (1 session) or 1 year part-time (2 sessions)
Total Credit Points:	24
Delivery Mode:	On campus (Face-to-Face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1188
CRICOS Code:	072789F

Overview

The Graduate Certificate in Engineering will provide a pathway into the Master of Engineering coursework program for students who have an undergraduate background that is not specifically in computer, electrical or telecommunications engineering.

Entry Requirements/Assumed Knowledge

A degree equivalent to a four year Australian Bachelor of Engineering degree with a major in any engineering discipline (or equivalent) and an average mark of 60% are the minimum entry requirements for students to be eligible to enrol in this program of study.

Course Requirements

The Graduate Certificate in Engineering requires the satisfactory completion of four subjects (24 credit points), selected and approved by the Head of School (or delegate).

The subjects chosen will be based on the student's undergraduate background and relevant work experience.

Course Program

Subjects available to students enrolled in the Graduate Certificate in Engineering will be selected from those offered in the Bachelor of Engineering (Electrical, Computer or Telecommunications) degree program or other degrees offered by the Faculty of Informatics at 200-, 300- or 400-level.

Students will need to consult with the Head of School (or delegate) prior to enrolling in this course.

Other Information

Students who satisfactorily complete the Graduate Certificate in Engineering are eligible to apply for entry into the Master of Engineering coursework program

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

Graduate Diploma in Technology Engineering

Testamur Title:	Graduate Diploma in Technology Engineering
Abbreviation:	GDipTechEng
Home Faculty:	Informatics
Duration:	1 year full-time
Total Credit Points:	48
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1606
CRICOS Code:	067073G

Overview

The Graduate Diploma in Technology Engineering provides a pathway into the Coursework Masters Program for students who have an undergraduate background that is not specifically in computer, electrical or telecommunications engineering.

Students will have the opportunity to gain generic skills and knowledge in the areas of:

- Database Systems
- Digital Hardware
- Power Engineering
- Communications
- Internet Engineering

Entry Requirements / Assumed Knowledge

A Bachelor degree in Engineering, Physics, IT or a related area, equivalent to a three year Australian tertiary qualification.

Course Requirements

Students are required to satisfactorily complete a selection of eight subjects (48 credit points), as approved by the Head of School or delegate.

The chosen program of study will be based on the student's undergraduate background and relevant work experience, and will be selected from a range of first, second and third year subjects offered in the Bachelor of Engineering (Electrical, Computer or Telecommunications) program or degrees offered by other Schools in the Faculty of Informatics.

Other Information

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

Master of Electrical Power Engineering

Testamur Title:	Master of Electrical Power Engineering
Abbreviation:	MElecPowEng
Home Faculty:	Informatics
Duration:	2 years part-time (minimum)
Total Credit Points:	48
Delivery Mode:	Flexible (3 day face-to-face workshops for each subject)
Starting Session(s):	Autumn/Spring
Location:	Sydney
UOW Course Code:	1625
CRICOS Code:	N/A

Overview

This course has been designed to provide specific education in areas identified as being of primary importance to the Australian electricity distribution industry that students may not have been exposed to in more general undergraduate studies.

The subjects offered under this program will be delivered by industry experts and are designed to provide students with skills and education specific to the needs of industry.

Entry Requirements/Assumed Knowledge

A four year Australian Bachelor degree specialising in Electrical Engineering and minimum achievement of Honours Class II Division 2 is required for students to be eligible to enrol in this program of study.

Note: Students who have at least two years or more recent and relevant electricity industry work experience are eligible to be considered for this program in-lieu of Honours Class II Division 2.

Course Requirements

Students must complete 48 credit points of coursework subjects or alternatively 36 credit points of coursework subjects and ECTE947 Research Project (12 credit points) to be eligible for this award.

The program is offered on a part-time basis by mandatory attendance at a face-to-face 3 day intensive learning session for each subject.

Course Program

Students must select their requisite number of subjects from the list below:

Subjects		Session	Credit Points
ECTE916	Distribution System Reliability	n/o 2012	6
ECTE920	Electricity Market Structures and Demand Side Integration	n/o 2012	6
ECTE929	Power System Protection and Communication	Spring (Aug)	6
ECTE914	Overhead, Underground Line Design and Construction	n/o 2012	6
ECTE915	Power Quality	n/o 2012	6
ECTE919	Distribution Network Planning	Autumn (Mar)	6
ECTE917	Renewable and Embedded Generation	n/o 2012	6
ECTE918	High Voltage Engineering	Autumn (Mar)	6
ECTE928	Power System Earthing	Spring (Aug)	6
ECTE930	Substation Design	n/o 2012	6
ECTE934	Electrical Safety	n/o 2012	6
ECTE947	Research Project	n/o 2012	12

Note: Only a limited number of subjects will be offered in any one year.

Other Information

Students who satisfactorily complete only a 24 credit point program and are not able to complete the full requisite 48 credit point program are eligible for the award of a Graduate Certificate in Electrical Power Engineering.

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

Master of Engineering

Testamur Title:	Master of Engineering
Majors available	Electrical Engineering, Computer Engineering, Telecommunications Engineering
Abbreviation:	MEng
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-Face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1624
CRICOS Code:	072788G

Overview

The objective of this program is to provide graduate engineers with an opportunity to build on their undergraduate qualifications and continue to develop their knowledge by specialising in a chosen major area of study.

Students graduating with this qualification will have a deep understanding of advanced Engineering topics and their application to industry. Graduates will be able to seek professional employment, advance their career and assume leadership roles within their chosen field.

Entry Requirements/Assumed Knowledge

A degree equivalent to a four year Australian Bachelor degree specialising in Computer, Electrical, Electronics or Telecommunications Engineering (or related fields) with an average mark of 60%.

Students without adequate prior knowledge for their intended major or who have not met the minimum entry requirements will be required to successfully complete the Graduate Certificate in Engineering to be eligible to enrol in the Master of Engineering program of study.

Course Requirements

The Master of Engineering program provides the opportunity for students to undertake a major in:

- Electrical Engineering
- Computer Engineering
- Telecommunications Engineering

The major will be recorded on the testamur.

Students must complete 48 credit points consisting of ECTE953 Advanced Project (12 credit points); one major (18 credit points); and two elective subjects (12 credit points).

The course program is set out below:

Core Subjects

Students must complete the following subject:

Subjects		Session	Credit Points
ECTE953	Advanced Project	Annual	12

Electrical Engineering Major

Students must complete the following three subjects (18 credit points):

ECTE927	Renewable and Distributed Generation	**Autumn**	**6**
ECTE921	Power Quality and Reliability	Spring	6
ECTE944	Identification and Optimal Control	Spring	6

Computer Engineering Major

Students must complete the following three subjects (18 credit points):

ECTE935	Advanced Computer Architecture	**Autumn**	**6**
ECTE936	Embedded Java	n/o 2012	6
ECTE903	Image and Video Processing	Spring	6

Telecommunications Engineering Major

Students must complete the following three subjects (18 credit points):

ECTE962	Telecommunications System Modelling	Autumn	6
ECTE967	Mobile Networks	Autumn	6
ECTE992	Internet Networking Protocols	Spring	6

Electives

Students must select three subjects (18 credit points) from the following list:

CSCI964	Computational Intelligence	Autumn	6
ENGG941	Sustainability for Engineers, Scientists Professionals	Autumn	6
INFO911	Data Mining and Knowledge Discovery	Autumn	6
INFO933	Pattern Recognition	Autumn	6
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE955	Advanced Laboratory	Autumn/Spring	6
ECTE975	Communications and ICT Workplace Practice	Autumn/Spring	6
ECTE903	Image and Video Processing	Spring	6
ECTE944	Identification and Optimal Control	Spring	6
ECTE992	Internet Networking Protocols	Spring	6
ISIT946	Project and Change Management	Spring	6

Other Information

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

Master of Engineering - Research

Testamur Title:	Master of Engineering – Research
Abbreviation:	ME-Res
Home Faculty:	Informatics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus (Face-to-face) and Supervised individual research
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1303
CRICOS Code:	042557D

Overview

This program aims to provide specialised research training for those preparing for careers in academia, government and industry; and to provide practising engineers with the means to increase their knowledge and upgrade their qualifications.

Entry Requirements / Assumed Knowledge

This degree is primarily a research degree for those who have completed an Honours Bachelor degree at a standard of Class 2, 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 and a weighted average mark of 67.5% or higher (or equivalent), in one of the following areas: computer; electrical; telecommunications engineering; or a related area.

Entry from a Pass Bachelor degree in computer, electrical, or telecommunications engineering (or a related area) is possible if a candidate has a good academic record.

Credit Transfer Arrangements

Candidates with an Honours Bachelor degree at a standard of Class 2, Division 2 or higher; or a Masters by Coursework with satisfactory completion of an approved minor project worth at least 12 credit points (or equivalent) and a weighted average mark of 67.5% or higher in computer, electrical, or telecommunications engineering or a related area, may be given exemption from all, or some, of the 24 credit points of coursework. This would be contingent upon the provision of 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 (2) 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 or Master of Engineering 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 or Master of Engineering.

Current Research Areas

Refer to Current Research Areas under the Doctor of Philosophy (PhD) entry for the School of Electrical, Computer and Telecommunication Engineering.

Other Information

Subject to satisfactory progress and satisfactory performance in seminars, students may transfer to the Doctor of Philosophy (PhD) program prior to completion of the Master of Engineering – Research.

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

Master of Engineering Practice (Mechatronics)

This course is offered jointly by the Faculty of Engineering and the School of Electrical, Computer and Telecommunications Engineering.

Details of the Entry Requirements and Program of Study are contained in the Faculty of Engineering entry.

Graduates interested in mechatronics who have an electrical, computer, electronic or related undergraduate degree, may also consider the specialist mechatronics subjects that are available within the Master of Engineering Studies – Electrical Engineering Major.

Other Information

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

Master of Engineering Studies

Testamur Title:	Master of Engineering Studies
Majors available	Electrical Engineering, Computer Engineering, Telecommunications Engineering, Power Engineering, Robotics and Automation
Abbreviation:	MEngStud
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-Face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	587
CRICOS Code:	012128G

Overview

The objective of this program is to provide graduates with engineering skills at a level between the Bachelor and Masters by Research degree levels.

Entry Requirements/Assumed Knowledge

A degree equivalent to a four year Australian Bachelor degree specialising in Computer, Electrical, Electronics or Telecommunications Engineering with an average mark of 50%.

Course Requirements

The Master of Engineering Studies program provides the opportunity for students to undertake a major in:

- Electrical Engineering
- Computer Engineering
- Telecommunications Engineering
- Power Engineering
- Robotics and Automation

The major will be recorded on the testamur.

Students must complete 48 credit points consisting of the common core (18 credit points); one major (18 credit points); and two electives (12 credit points).

The common core subjects: ECTE906 Advanced Signals and Systems and ECTE955 Advanced Laboratory must be undertaken in the first session of a student's enrolment. The common core subject, ECTE975 Communication and ICT Workplace Practice, must be satisfactorily completed in order for a student to be eligible to graduate.

The course program is set out below:

Course Program

Note: Only a limited number of subjects will be offered in any one year.

Core Subjects

Students must complete the following subjects in their first session of enrolment:

Subjects		Session	Credit Points
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE955	Advanced Laboratory	Autumn/Spring	6
ECTE975	Communications and ICT Workplace Practice	Autumn/Spring	6

Electrical Engineering Major

Students must select three subjects (18 credit points) from the following list:

ECTE933	Embedded Systems	Autumn	6
ECTE962	Telecommunications System Modelling	Autumn	6
ECTE932	Computer Architecture	Spring	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE926	Power Distribution Systems	Spring	6
ECTE992	Internet Networking Protocols	Spring	6
ECTE927	Renewable and Distributed Generation	Autumn	6

Computer Engineering Major

Students must select three subjects (18 credit points) from the following list:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE903	Image and Video Processing	Spring	6
ECTE932	Computer Architecture	Spring	6
ECTE935	Advanced Computer Architecture	n/o 2012	6
ECTE936	Embedded Java	n/o 2012	6

Telecommunications Engineering Major

Students must select three subjects (18 credit points) from the following list:

ECTE962	Telecommunications System Modelling	Autumn	6
ECTE967	Mobile Networks	Autumn	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE901	Multimedia Signal Processing	Autumn	6
ECTE992	Internet Networking Protocols	Spring	6
ISIT925	Strategic Network Design	n/o 2012	6

Power Engineering Major

Students must select three subjects (18 credit points) from the following list:

ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE927	Renewable and Distributed Generation	Autumn	6

Robotics and Automation Major

Students must select three subjects (18 credit points) from the following list:

ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6
ECTE944	Identification and Optimal Control	Spring	6

Electives

Students must select two subjects from the following list:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE962	Telecommunications System Modelling	Autumn	6
ECTE967	Mobile Networks	Autumn	6
ECTE953	Advanced Project	Annual/Autumn	6

INFO911	Data Mining and Knowledge Discovery	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE903	Image and Video Processing	Spring	6
ECTE932	Computer Architecture	Spring	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6
ECTE992	Internet Networking Protocols	Spring	6
ECTE905	Speech and Audio Processing	n/o 2012	6
ECTE944	Identification and Optimal Control	Spring	6
ECTE936	Embedded Java	n/o 2012	6
ECTE927	Renewable and Distributed Generation	Autumn	6
ECTE935	Advanced Computer Architecture	n/o 2012	6
ISIT925	Strategic Network Design	n/o 2012	6

Other Information

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

Master of Professional Engineering

Testamur Title:	Master of Professional Engineering
Majors Available:	Electrical Engineering, Computer Engineering, Telecommunications Engineering, Power Engineering, Robotics and Automation
Abbreviation:	MProfEng
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-Face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1607
CRICOS Code:	067085C

Overview

The objective of this program is to provide graduates with engineering skills at a level between the Bachelor and Masters by Research degree levels.

Entry Requirements/Assumed Knowledge

A degree equivalent to a four year Australian Bachelor of Engineering specialising in Electrical, Computer or Telecommunications Engineering with an average mark of 50%.

Course Requirements

The Master of Professional Engineering program provides the opportunity for students to undertake a major in:

- Electrical Engineering
- Computer Engineering
- Telecommunications Engineering
- Power Engineering
- Robotics and Automation

The major will be recorded on the testamur.

Students must complete 96 credit points, consisting of the common core (42 credit points), one major (36 credit points) and three electives (18 credit points).

The common core subjects: ECTE906 Advanced Signals and Systems and ECTE955 Advanced Laboratory must be completed by all students in their first semester of enrolment in this degree program.

Students will be able to select one elective stream from three available options. The elective subjects will be based on the performance and interest of the student. The elective options are as follows:

Elective Option 1: Eligible for Placement

- ENGG943 Engineering Professional Placement* (6 credit points)
- 2 elective subjects (12 credit points)

*Note: Students must qualify to enrol in ENGG943 Engineering Professional Placement. Enrolment in ENGG943

Engineering Professional Placement is by UOW Subject Coordinator and potential employer approval only. To be eligible for this option, students will need to obtain a result of 65 or more in the Assessment Centre Experience task in the subject ENGG942 Professional Practice. This result will provide students with the opportunity to be interviewed for placement and subsequent completion of ENGG943 Engineering Professional Placement.

Elective Option 2: WAM of 72.5 or more

- ECTE953 Advanced Project (12 credit points)
- 1 elective subject (6 credit points)

Note: Enrolment in ECTE953 Advanced Project is by Head of School (or their delegate) approval only. To be eligible for this option, students will need to have a WAM2 of 72.5 or more at the end of their first year of completion of this degree program.

Elective Option 3: Not Eligible for Placement

- 3 elective subjects (18 credit points)

Course Program

Note: Only a limited number of subjects will be offered in any one year.

Core Subjects

Students must complete the following subjects in their first session of enrolment:

Subjects		Session	Credit Points
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE955	Advanced Laboratory	Autumn/Spring	6

Students must also complete the following core subjects:

ENGG942	Professional Practice	Annual	12
ENGG941	Sustainability for Engineers, Scientists and Professionals	Autumn	6
ECTE970	Advanced Topics in Engineering	Autumn/Spring	6
ISIT905	Technology Management and Innovation	Autumn	6

Electrical Engineering Major

Students must complete 6 subjects (36 credit points) from the following list:

ECTE933	Embedded Systems	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE932	Computer Architecture	Spring	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE992	Internet Networking Protocols	Spring	6
ECTE927	Renewable and Distributed Generation	Autumn	6
ECTE962	Telecommunications System Modelling	Autumn	6

Computer Engineering Major

Students must complete 6 subjects (36 credit points) from the following list:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE935	Advanced Computer Architecture	Autumn	6
ECTE903	Image and Video Processing	Spring	6
ECTE932	Computer Architecture	Spring	6
ECTE936	Embedded Java	n/o 2012	6

Telecommunications Engineering Major

Students must complete the following subjects:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE962	Telecommunications System Modelling	Autumn	6
ECTE967	Mobile Networks	Autumn	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE992	Internet Networking Protocols	Spring	6
ISIT925	Strategic Network Design	n/o 2012	6

Power Engineering Major

Students must complete the following subjects:

ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE927	Renewable and Distributed Generation	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE926	Power Distribution Systems	Spring	6
ECTE941	Intelligent Control	Autumn	6

Robotics and Automation Major

Students must complete the following subjects:

ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE944	Identification and Optimal Control	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6

Elective Options

Students must complete one the following elective options:

Elective Option 1			
ENGG943	Engineering Professional Placement	Autumn	6
	2 elective subjects selected from the list below.	Autumn/Spring	12
Elective Option 2			
ECTE953	Advanced Project	Annual	12
	1 elective subject selected from the list below.	Autumn/Spring	6
Elective Option 3			
	3 elective subjects selected from the list below	Autumn/Spring	18

Electives

Students must select two subjects from the following list:

CSCI968	Advanced Network Security	Autumn	6
ECTE901	Multimedia Signal Processing	Autumn	6
ECTE912	Power Electronics and Drives	Autumn	6
ECTE923	Power System Analysis	Autumn	6
ECTE927	Renewable and Distributed Generation	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
ECTE941	Intelligent Control	Autumn	6
ECTE962	Telecommunications System Modelling	Autumn	6
ECTE967	Mobile Networks	Autumn	6
INFO911	Data Mining and Knowledge Discovery	Autumn	6
ISIT917	Business Intelligence and Knowledge Management	Autumn	6
ISIT937	Information Technology Security and Risk Management	Autumn	6
CSCI935	Computer Vision	Spring	6
ECTE903	Image and Video Processing	Spring	6
ECTE926	Power Distribution Systems	Spring	6
ECTE932	Computer Architecture	Spring	6
ECTE942	Computer Controlled Systems	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE971	Robotics and Flexible Automation	Spring	6
ISIT925	Strategic Network Design	n/o 2012	6
ECTE992	Internet Networking Protocols	Spring	6
MCS9213	Java Programming and Applications	Spring	6
ECTE936	Embedded Java	n/o 2012	6

Other Information

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

Master of Technology Engineering

Testamur Title:	Master of Technology Engineering
Majors available:	Digital Media Broadcasting Internet Technology
Abbreviation:	MTechEng
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1608
CRICOS Code:	067082F

Overview

The Master of Technology Engineering program is designed specifically for students who have an undergraduate background that is not specifically in Computer, Electrical or Telecommunications Engineering.

Students will have the opportunity to gain specialist skills as they complete a major in either Digital Media Broadcasting or Internet Technology.

The major will be recorded on the testamur.

Entry Requirements/Assumed Knowledge

Completion of a Bachelor degree (equivalent to a three year Australian tertiary qualification) in Engineering, Physics or other related area.

Course Requirements

Students must satisfactorily complete 96 credit points, consisting of:

- the Graduate Diploma in Technology Engineering (48 credit points)
- PLUS the course program of 48 credit points.

The course program requires students to satisfactorily complete:

- 12 credit points of common core subjects; and
- 36 credit points of subjects from the chosen major area of study.

The common core subject, ECTE906 Advanced Signals and Systems, must be completed in the first semester of enrolment. The common core subject, ECTE975 Communication and ICT Workplace Practice, must be satisfactorily completed in order for a student to be eligible to graduate.

Course Program

Note: Only a limited number of subjects will be offered in any one year.

Core Subjects

Following successful completion of the Graduate Diploma in Technology Engineering students are required to undertake the following subjects:

Subjects		Session	Credit Points
ECTE906	Advanced Signals and Systems	Autumn/Spring	6
ECTE975	Communications and ICT Workplace Practice	Autumn/Spring	6

Digital Media Broadcasting Major

Students must complete six subjects (36 credit points) from the following list:

ECTE901	Multimedia Signal Processing	Autumn	6
ECTE931	Real-Time Computing	Autumn	6
ECTE933	Embedded Systems	Autumn	6
CSCI968	Advanced Network Security	Autumn	6
ISIT937	Information Technology Security and Risk Management	Autumn	6
ECTE955	Advanced Laboratory	Autumn/Spring	6
ECTE903	Image and Video Processing	Spring	6
ECTE965	Wireless Communication Systems	Spring	6
CSCI946	Multimedia Content Management	Spring	6
ISIT951	Web Services and Service Oriented Architecture	Spring	6

Internet Technology Major

Students must complete six subjects (36 credit points) from the following list:

CSCI968	Advanced Network Security	Autumn	6
ECTE962	Telecommunications Systems Modelling	Autumn	6
ISIT937	Information Technology Security and Risk Management	Autumn	6
ECTE965	Wireless Communication Systems	Spring	6
ECTE986	Telecommunications Network Management	Spring	6
ISIT951	Web Services and Service Oriented Architecture	Spring	6
ISIT906	Information Design and Content Management	Spring	6
ECTE992	Internet Networking Protocols	Spring	6
ECTE956	Internet Technology Laboratory*	n/o 2011*	6
ECTE982	Network Engineering	n/o 2011	6

* Students are able to complete ECTE955 Advanced Laboratory in place of ECTE956 Internet Technology Laboratory as the two subjects are equivalent.

Special Requirements

Students that have a degree equivalent to a four year Australian Bachelor degree specialising in Computer, Electrical, Electronics or Telecommunications Engineering will be eligible to have the requirement to complete the Graduate Diploma in Technology Engineering waived. These students will only need to complete the required course program of 48 credit points.

Other Information

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

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics
	(School of Information Systems and Technology)
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Individual supervised 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 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

- e-Business and e-Commerce Applications
- Information Management, Retrieval and Visualisation
- Systems and Technology
- Collaborative Systems
- Supply Chain Management
- e-Learning
- Semantic Web and Cloud Computing

- Agent-based Systems and Service Oriented Computing
- IS Methodologies and Implementation
- Radio Frequency Identification
- Customer Relationship Management
- Health Informatics
- Human Computer Interaction
- Social Informatics and Social Network Analysis
- Social Media
- Electronic Health Records
- Database Systems
- IT Strategy
- Disaster Response Management
- Simulation and Scheduling
- Location-based Services
- Aged Care Training and Computer Support
- e-Government and e-Democracy
- e-Governance or IT Governance
- Privacy, Surveillance and Cybercrime
- Workflow Management

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

Master of Health Informatics

Testamur Title:	Master of Health Informatics
Abbreviation:	MHlthInfo
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1540
CRICOS Code:	046872E

Overview

Health services in Australia, as in most countries, are experiencing a surge of interest and investment in e-health. This program is designed to provide IT professionals with a better understanding of the specifics of health informatics and provide health professionals with a better understanding of IT within their industry.

The program aims to equip graduates with an understanding of the health sector, and of the application of relevant systems, in order to take on key roles in successful strategy development and health systems projects.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, with an average mark of at least 60%, in information technology, computer science or an ICT-related specialisation.

Applicants with a three-year degree in Health Science plus at least one year full-time (or part-time equivalent) employment in a position related to Health will be considered by the Faculty.

Course Requirements

Candidates must successfully complete eight (8) subjects, including:

1. Three (3) Core Subjects (18cp); and
2. Five (5) subjects (30cp) chosen from the list of electives below, or three subjects (18cp) plus ISIT998 IT Research Report (12cp).

Course Program

Subjects	Session	Credit Points	
Core Subjects			

ISIT917	Business Intelligence and Knowledge Management	Autumn	6
ISIT929	Concepts and Issues in Healthcare Computing	Spring	6
ISIT930	Introduction to Health Informatics	Autumn	6
Elective Subjects			
Plus at least 30 credit points from the following:			
SHS 940	Statistics in Health Research	Spring	6
ISIT901	Information Systems Strategic Planning	Spring	6
ISIT905	Technology Management and Innovation	Autumn	6
ISIT940	IT Research Methods	Autumn/Spring	6
ISIT998	IT Research Report	Annual	12
INFO911	Data Mining and Knowledge Discovery	Spring	6
MCS9102	Information Systems	Autumn	6
MTS9301	Professional Practice and Ethics	Autumn	6
MTS9112	Database	Spring	6
MTS9311	Database Management Systems	Autumn	6
SHS 932	Epidemiology	Spring	6
SHS 933	Social Determinants of Health	Autumn	6
SHS 934	Health Promotion	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 are chosen.			

Professional Recognition

The Master of Health Informatics is accredited by the Australian Computer Society as meeting the requirements for membership at an "Associate Level".

Other Information

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

Master of Health Leadership and Management

Testamur Title:	Master of Health Leadership and Management
Abbreviation:	MHlthLeadMgmt
Home Faculty:	Health and Behavioural Sciences
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn, Spring
Delivery Mode:	On-campus
Location:	Wollongong
UOW Course Code:	1567
CRICOS Code:	059753E

Overview

This course is designed for practicing health professionals seeking to develop their management and leadership skills.

This flexible program allows students to select from a variety of Graduate Certificate degrees and tailor their Masters program to suit their professional development requirements.

Entry Requirements

Students can enter the Master of Health Leadership and Management degree via either of the pathways detailed below:

Applicants with a Bachelor degree of at least three years duration from a recognised tertiary institution or equivalent, together with a minimum of two years full-time relevant work experience can apply to enter directly into the Master of Health Leadership and Management. Upon commencement of the degree, students will nominate two Graduate Certificate degrees within the course structure.

Alternatively, applicants may apply to enrol in one of the Graduate Certificate degrees listed within the MHLM course structure, provided they meet the entry requirements as specified for this Graduate Certificate by the relevant Faculty. Upon successful completion of the Graduate Certificate with an average mark of at least 60 per cent, students may apply to progress to the Master of Health Leadership and Management with credit for previous studies completed.

Course Requirements

The Master of Health Leadership and Management requires the successful completion of 48 credit points of subjects in accordance with two of the Graduate Certificates listed below.

Students who enrol directly into the Master of Health Leadership and Management will be required to meet with the Course Co-ordinator and discuss which two of the graduate certificate programs will comprise the course.

Students who enrol initially in one of the Graduate Certificate degrees listed below will be eligible to articulate into the Master of Health Leadership and Management upon successful completion with an average mark of at least 60 percent. Students who apply to articulate to the Master of Health Leadership and Management are required to complete a further 24 credit points of subjects in accordance with a second graduate certificate listed below.

At least one of the graduate certificate programs must be chosen from those offered by the Faculty of Health and Behavioural Sciences. As leadership is a core component of this program, students must either complete the Graduate Certificate in Health Leadership and Management OR successfully complete the subject TBS903 Managing People in Organisations within one of the other Graduate Certificates.

Faculty of Health and Behavioural Sciences

Graduate Certificate in Health Leadership and Management

Graduate Certificate in Health Practice Development and Facilitation

Graduate Certificate in Health Research

Sydney Business School

Graduate Certificate in Business Administration

Graduate Certificate in Logistics

Graduate Certificate in Management

Faculty of Informatics

To be advised.

Credit Arrangements and Articulation with other UOW Courses

The Graduate Certificates listed above articulate with the Master of Health Leadership and Management. Students who commence at Graduate Certificate level are required to successfully complete the first Graduate Certificate with an average mark of at least 60 percent to become eligible to apply to articulate to the Masters of Health Leadership and Management. All subjects successfully completed in the first Graduate Certificate will count as credit towards the Master of Health Leadership and Management upon successful transfer.

Note that subjects completed in the first graduate certificate degree cannot be used as a basis for credit toward the second graduate certificate in order to reduce the total number of credit points to less than 48 for the Masters.

Contact Information

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Other Information

Other information is available at http://coursefinder.uow.edu.au/

Master of Information and Communication Technology

Testamur Title:	Master of Information and Communication Technology
Abbreviation:	MICT
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong; INTI College, Sarawak, Malaysia
UOW Course Code:	581_2
CRICOS Code:	009250J

Overview

The MICT and MICTAdv are designed to meet the needs of both the ICT industry and of a diverse cohort of students. Students with a strong technical background can do majors which focus on managerial skills that will assist them to be promoted within their company or to seek higher positions in other companies. Students with less developed technical skills can choose a major to strengthen those skills, making them far more employable both in Australia and

overseas. Various combinations of the technical and managerial majors allow student to get a broad set of skills that are highly employable. In addition, the degrees provide an excellent pathway to a future in research, such as doing a PhD. By choosing a set of majors wisely, students can prepare themselves for almost any future in the ICT industry or academia.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, with a 60% average, in an area related to ICT (eg Information Systems, Information Technology, Computer Science) or

A Graduate Diploma in IS or IT from the University of Wollongong with an average mark of 60% or

A Master of Information Technology Studies from the University of Wollongong with and average mark of 60%

Credit Transfer

Students who have successfully completed the Master of Information and Communication Technology may apply to enter the MICTAdv.

Course Requirements

The degree requires satisfactory completion of 900 level subjects to the value of at least 48 credit points, including:

1. a) ISIT900 Fundamentals of Contemporary Technologies plus at least one of the following:

Subject		Session	Credit Points
ISIT903	Enterprise Architecture Design	Autumn	6
ISIT904	Systems Integration	Spring	6
ISIT946	Project and Change Management	Spring	6

b) At least 18cp of subject selected from the ISIT Graduate Subjects List;

c) i) A maximum of three (3) subjects (18cp) at 900-level may be taken from the following subject prefixes CSCI, MATH, STAT, ECTE or TBS. (Note that quotas may apply to TBS subjects offered at the Sydney Business School.)

ii) a maximum of six (6) subjects (36cp) with an MTS prefix, from the ISIT Graduate Subjects List

iii) only students attempting the Information Systems Development major may take more than 12cp of MTS prefix subjects

iv) Any other 900-level subjects must be approved by the Head of School prior to commencing the subject

2. To be awarded with a single major, a candidate shall satisfactorily complete 36cp of subjects as set out in the relevant programs below, while still complying with requirement 1(b) and 1(c) above.

3. This degree may be completed without attempting a major area of study.

Areas of Major Study

Candidates enrolled in this degree may choose to major in:

- ICT Strategic Planning
- Enterprise Networking
- Information Systems Development

ICT Strategic Planning Major			
A total of 36 cp, chosen from the following :			
TBS 902	Statistics for Decision Making	6	Autumn/Spring
TBS 957	Introduction to Contemporary Business Practice	6	Autumn/Spring
ISIT901	IS Strategic Planning	6	Spring
ISIT905	Technology Management and Innovation	6	Autumn
ISIT906	Information Design and Content Management	6	Spring
ISIT908	IT Governance	6	Spring
ISIT916	Organisational Issues and IT	6	Autumn
ISIT917	Business Intelligence and Knowledge Management	6	Autumn
ISIT925	Strategic Network Design	6	Not on offer 2012
ISIT950	Systems Development Methodologies	6	Autumn
ISIT951	Web Services and Service Orientated Architecture	6	Not on offer 2012
Enterprise Networking Major			
A total of 36 cp chosen from the following			
ISIT905	Technology Management and Innovation	6	Autumn

ISIT909	Advanced Business Process Management	6	Spring
ISIT910	IT-enabled Supply Chain Management	6	Spring
ISIT918	Strategic Network Management	6	Autumn
ISIT924	Simulation and Modelling	6	Spring
ISIT925	Strategic Network Design	6	Spring
ISIT937	IT Security and Risk Management	6	Autumn
ISIT938	eBusiness Technology	6	Not on offer 2012
ISIT951	Web Services and Service Orientated Architecture	6	Spring
Information Systems Development Major			
A total of 36 cp selected from the following			
ISIT950	Systems Development Methodologies	6	Autumn
MTS9201	Information and Communication Security Issues	6	Spring
MTS9204	Principles of eBusiness	6	Autumn
MTS9207	Web Programming 1	6	Spring
MTS9218	System Design and Human Computer Interaction	6	Autumn
MTS9311	Database Management Systems	6	Autumn
MTS9332	Business Process Management	6	Spring
MTS9306	Strategic eBusiness Solutions	6	Autumn
	Either one of the following:		
MTS9318	Information Systems Project	12	Annual
MTS9351	Information Technology Project	12	Annual

Programs of Study

- Health Informatics
- ICT Research

Health Informatics program of study			
Consists of all of the following 24 cp:			
ISIT906	Information Design and Content Management	6	Spring
ISIT917	Business Intelligence and Knowledge Management	6	Autumn
ISIT929	Concepts & Issues in Healthcare Computing	6	Spring
ISIT930	Introduction to Health Informatics	6	Autumn
ICT Research Programs of Study			
Consists of all of the following 24 cp:			
ISIT999	ICT Research Project	18	Annual
ISIT940	IT Research Methods	6	Autumn

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".

Other Information

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

Master of Information and Communication Technology Advanced

Testamur Title:	Master of Information and Communication Technology Advanced
Abbreviation:	MICTAdv
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1609
CRICOS Code:	067074F

Overview

This degree is designed to meet the needs of both the ICT industry and of a diverse cohort of students. Students with a strong technical background can do majors which focus on managerial skills that will assist them to be promoted within their company or to seek higher positions in other companies. Students with less developed technical skills can choose a major to strengthen those skills, making them far more employable both in Australia and overseas. Various combinations of the technical and managerial majors allow students to get a broad set of skills make them highly employable. In addition, the degree provides an excellent pathway to a future research or Doctoral studies. By choosing a set of majors wisely, students can prepare themselves for almost any future in the ICT industry or academia.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree, with a 60% average, in an area related to ICT (eg Information Systems, Information Technology, Computer Science) OR

A Graduate Diploma in IS or IT from the University of Wollongong with an average mark of 60%.

Credit Transfer Arrangements

The MICT at UOW provides credit towards the MICTAdv.

Also, MICTAdv students may choose to exit early with a MICT if they fulfil the requirements of that degree.

Course Requirements

1) The degree requires satisfactory completion of 900 level subjects to the value of at least 96 credit points, including:

a) four (4) core subjects (24cp):

Core Subjects		Session	CP
ISIT900	Fundamentals of Contemporary Technologies	Autumn/Spring	6
ISIT903	Enterprise Architecture Design	Autumn	6
ISIT904	Systems Integration	Spring	6
ISIT946	Project and Change Management	Spring	6

b) at least 54cp of subjects selected from the ISIT Graduate Subjects List;

c) i) A maximum of three (3) subjects (18 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.)

ii) a maximum of 36cp of subjects with an MTS prefix, taken from the ISIT Graduate Subjects List

iii) only students attempting the Information Systems Development major may take more than 12cp of MTS prefix subjects

iv)any other 900-level subjects must be approved by the Head of School prior to commencing the subject.

2) This degree may not be completed without attempting a major area of study i.e. at least 1 major must be completed.

3) To be awarded with a single major, a candidate shall satisfactorily complete 36 cp of subjects as set out in the relevant programs below, while still complying with requirements 1(b) and 1(c) above.

4) To be awarded with a double major, candidates must ensure that the 36cp of subjects selected satisfy the requirements of one major and that a separate set of 36cp of subjects satisfy the requirements of a second major, i.e. any subject counted towards one major cannot also be counted towards a second major.

5) Students attempting only a single major will require additional credit points to satisfy rules 1b) and 1c). These may be taken either:

i) from one of the recommended programs of study (24 cp) plus 12 cp of other subjects

from the ISIT Graduate Subjects List or

ii) as 36 cp of other subjects from the ISIT Graduate Subjects List.

Areas of Major Study

Candidates enrolled in this degree may choose to major in:

- ICT Strategic Planning
- Enterprise Networking
- Information Systems Development

ICT Strategic Planning Major			
A total of 36 cp, chosen from:			
ISIT901	IS Strategic Planning	6	Spring
ISIT905	Technology Management and Innovation	6	Autumn
ISIT906	Information Design and Content Management	6	Spring
ISIT908	IT Governance	6	Spring
ISIT916	Organisational Issues and IT	6	Autumn
ISIT917	Business Intelligence and Knowledge Management	6	Autumn
ISIT925	Strategic Network Design	6	Spring
ISIT950	Systems Development Methodologies	6	Autumn
ISIT951	Web Services and Service Oriented Architecture	6	Spring
TBS902	Statistics for Decision Making	6	Autumn/Spring
TBS957	Introduction to Contemporary Business Practice	6	Autumn/Spring
Enterprise Networking Major			
A total of 36 cp chosen from the following:			
ISIT905	Technology Management and Innovation	6	Autumn
ISIT909	Advanced Business Process Management	6	Spring
ISIT910	IT-enabled Supply Chain Management	6	Spring
ISIT918	Strategic Network Management	6	Autumn
ISIT924	Simulation and Modelling	6	Spring
ISIT925	Strategic Network Design	6	Not on offer in 2012
ISIT937	IT Security and Risk Management	6	Autumn
ISIT938	eBusiness Technologies	6	Not on offer in 2012
ISIT951	Web Services and Service Oriented Architecture	6	Not on offer in 2012
Information Systems Development Major			
A total of 36 cp chosen from the following:			
ISIT950	Systems Development Methodologies	6	Autumn
MTS9201	Information and Communication Security	6	Spring
MTS9204	Principles of eBusiness	6	Autumn
MTS9207	Web Programming 1	6	Spring
MTS9218	Systems Design and Human Computer Interaction	6	Autumn
MTS9311	Database Management Systems	6	Autumn
MTS9332	Business Process Management	6	Spring
MTS9306	Strategic eBusiness Solutions	6	Autumn
only one or other of the following (neither are compulsory for the major):			
MTS9318	Information Systems Project	12	Annual
MTS9351	Information Technology Project	12	Annual

Programs of Study

- Health Informatics
- ICT Research

Health Informatics program of study			
Consists of all of the following 24 cp:			
ISIT906	Information Design and Content Management	6	Spring
ISIT917	Business Intelligence and Knowledge Management	6	Autumn
ISIT929	Concepts and Issues in Healthcare Computing	6	Spring
ISIT930	Introduction to Health Informatics	6	Autumn
ICT Research program of study			
Consists of all of the following 24 cp:			
ISIT999	ICT Research Project	18	Annual
ISIT940	IT Research Methods	6	Autumn

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".

Other Information

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

Master of Information Systems and Technology - Research

Testamur Title:	Master of Information Systems and Technology - Research
Abbreviation:	MInfoSysTech - Res
Home Faculty:	Informatics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face) and Supervised individual research
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1342
CRICOS Code:	042551K

Overview

This program is designed to provide students with sound practice in research methods appropriate to the study of information and communication technology applications, and to prepare students for Doctor of Philosophy (PhD) level research.

Entry Requirements / Assumed Knowledge

This is primarily a research degree for those who have completed an Honours Bachelor degree at a standard of Class II, Division 2 or higher, or a Masters by coursework in an appropriate discipline which includes a minor project worth at least 12 credit points or equivalent.

If a candidate has a good academic record, and has completed a minor project worth at least 12 credit points or equivalent, entry from a Pass Bachelor degree, Pass Bachelor degree and Graduate Diploma, or Pass Bachelor Degree and Graduate Certificate, is possible.

Credit Transfer Arrangements

Candidates with an Honours Bachelor degree at a standard of Class II, Division 2 or higher, or Masters by coursework degree, may be given exemption from all, or some, of the 24 credit points of coursework and admitted directly to the 48 credit point research thesis component. This is contingent on evidence of proven research experience.

Course Requirements

The degree is normally 72 credit points, consisting of a 48 credit point research thesis and 24 credit points of coursework. The program must be completed in a maximum time of two years full-time and requires satisfactory completion of the following:

1. ISIT940 Research Methods (6cp);
2. Three subjects (18cp) from the ISIT Graduate Subjects List to constitute a coherent introduction to the proposed area of research, as agreed to by the Head of School. (Note: students must achieve at least a WAM of 67.5% in the coursework component); and
3. 48 credit point thesis.

Course Program

Subjects		Session	Credit Points
ISIT940	Research Methods	Autumn	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	Annual	24

Candidates who fail to meet the requisite standard for the coursework component may have their enrolment cancelled. In this case, a candidate may be eligible to apply for credit transfer into a 48 credit point Masters by coursework degree.

A candidate may not include for this degree subjects similar in content to subjects included in their Honours or previous Masters. Each candidate shall have a supervisor and if appropriate a co-supervisor appointed on the recommendation of the Head of Postgraduate Studies (HPS) or the Head of School of Information Systems and Technology.

Current Research Areas

For areas of interest available to candidates undertaking the Master of Information Systems and Technology – Research, please refer to Current Research Areas under the Doctor of Philosophy entry for the School of Information Systems and Technology.

Other Information

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

Master of Information Technology Management

Testamur Title:	Master of Information Technology Management
Abbreviation:	MITM
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong/ offshore#
UOW Course Code:	1509
CRICOS Code:	031283E

By request.

Overview

The organisational challenge of introducing and managing information technology is daunting. Today's business requires IT strategic planning to be an integral part of the organisation's strategic plan.

This degree is aimed primarily at professionals who wish to progress upwards or broaden their career opportunities in the ICT industry, and covers both IT strategic planning and implementation and organisational management.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with at least a 60% average in an area related to ICT (eg Computer Science, Information Technology, Business Information Systems, Computer Engineering, Electrical Engineering, and Telecommunications Engineering).

Applicants with a degree in any area plus at least one year full-time employment in the ICT industry will be considered.

Students with an average mark of at least 60% in their three-year Bachelor degree, but with little or no background in IT, may be considered. Under special circumstances, applicants with other academic or professional qualifications, plus a minimum of five years full-time (or 10 years part-time) work experience in the ICT industry, may be considered by the Faculty.

Course Requirements

Candidates must successfully complete eight subjects, including:

1. Four subjects from Group A; and
2. Four subjects from Group B.

Group A		
Subject Code	**Subject Name**	**Credit Points**
ISIT900	Fundamentals of Contemporary Technologies	6
ISIT901	Information Systems Strategic Planning	6
ISIT903	Enterprise Architecture Design	6
ISIT904	Systems Integration	6
ISIT905	Technology Management and Innovation*	6
ISIT906	Information Design and Content Management	6
ISIT908	Information Technology Governance*	6
ISIT909	Advanced Business Process Management	6
ISIT910	IT-enabled Supply Chain Management	6
ISIT916	Organisational Issues & Information Technology	6
ISIT917	Business Intelligence and Knowledge Management	6
ISIT918	Strategic Network Management	6
ISIT992	Special Topics in IS and IT B	6
ISIT937	Information Technology Security and Risk Management	6
ISIT946	Project and Change Management	6
*these subjects appear in BOTH Group A & B subject lists. They can NOT be counted to fulfil requirements for both lists.		

Group B		
ISIT905	Technology Management and Innovation*	6
ISIT908	IT Governance*	6
MARK901	Internet Applications for Marketing	6
TBS 901	Accounting for Managers	6
TBS 902	Statistics for Decision Making	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6
TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain Management	6
TBS 913	Innovation Topics & Cases	6
TBS 920	International Business Strategy	6
TBS 950	Quality in Management	6
TBS 981	Managing in Multinational Companies	6
Or any other subject approved by the Head of School, prior to commencement		
Note: TBS subjects are offered by the University of Wollongong Sydney Business School. Start dates differ from the standard University Calendar. Quotas may apply to TBS subjects offered at the Sydney Business School.		

Credit Arrangements

Upon successful completion of the MITM, students who meet the Master of Business Administration (MBA) entry requirements may apply to enrol in the MBA degree and, if successful, will be required to complete a further six (6) specified subjects (36 credit points) as determined by the MBA co-ordinator. To gain the maximum credit towards the MBA students should choose only one ISIT subject from Group B (ie. do not take both ISIT905 and ISIT908 in Group B – if you choose both in Group B you will need to complete 7 additional subjects in the MBA).

Upon successful completion of the MITM, students may apply to enrol in MICT or MICTAdv **only** if they satisfy the requirements for the specific degree. It should be noted that all these degrees require an average mark of 65% in either an undergraduate degree in ICT or the Graduate Diploma in Information Systems & Technology from UOW.

Professional Recognition

The Master of Information Technology Management is accredited by the Australian Computer Society as meeting requirements for membership at an "Associate Level".

Other Information

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

Master of Information Technology Studies

Testamur Title:	Master of Information Technology Studies
Abbreviation:	MITS
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1610
CRICOS Code:	067076D

Overview

This course is primarily a re-training degree, intended to give graduates from other disciplines the core skills required by an IT or IS practitioner. The 8 core subjects, which make up the MITS, give students the fundamental skills of Information Systems development.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree.

Credit Transfer Arrangements

The Master of Information Technology Studies from UOW will provide credit towards the Master of Information Technology Studies Advanced.

Course Requirements

The degree requires the satisfactory completion of 900 level subjects to the value of at least 48 credit points.

Students must select any 8 of the following:

Subject Code	Subject Name	Credit Points
MTS9100	Systems Analysis	6
MTS9105	Communications and Networks	6
MTS9111	Programming Concepts	6
MTS9112	Database	6
MTS9114	Object Oriented Programming	6
MTS9201	Information and Communication Security Issues	6
MTS9204	Principles of eBusiness	6
MTS9206	Web Technologies	6
MTS9218	System Design and Human Computer Interaction	6

Professional Recognition

Accreditation by the Australian Computer Society for membership at an 'Associate level' for the Master of Information Technology Studies has been approved.

Student Income Support

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

The Master of Information Technology Studies has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

Other Information

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

Master of Information Technology Studies Advanced

Testamur Title:	Master of Information Technology Studies Advanced
Abbreviation:	MITSAdv
Home Faculty:	Informatics
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Spring
Location:	Wollongong
UOW Course Code:	1611
CRICOS Code:	067077C

Overview

The course is primarily a re-training degree, intended to give graduates from other disciplines the core skills required by an IT or IS practitioner. The 11 core subjects which make up the MITSAdv give students the fundamental skills of Information Systems development.

Credit Transfer Arrangements

Students articulating from the Master of Information Technology Studies Advanced to the Master of Information & Communication Technology (MICT) or Master of Information & Communication Technology Advanced (MICTAdv) may be eligible for up to 18 credit points (cp) of credit transfer. Students should note the following two constraints on this credit transfer:

i) if students use up to 18 cp of MTS subjects towards to MICT or MICTAdv they will not be eligible for the major in Information Systems Development in the MICT or MICTAdv;

ii) if students undertake the Enterprise Systems Management program in MITS, they may use up to 18cp of ISIT subjects towards the MICT or MICTAdv. However, they must NOT take more than three subjects from the core of that program (ie of the MICT core). If a student had done four subjects from the MICT core while completing the MITS he or she would not be able to count the fourth subject and so would not be able to complete one of the requirements of the MICT or MICT(Adv).

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree.

Course Program

The Master of Information Technology Studies Advanced requires satisfactory completion of 96 credit points (cp), consisting of:

1. All of the following core subjects (78 cp):

Subject Code	Subject Name	Credit Points
MTS9111	Programming Concepts	6
MTS9100	Systems Analysis	6
MTS9105	Communications and Networks	6
MTS9112	Database	6
MTS9114	Object Oriented Programming	6
MTS9201	Information and Communication Security	6
MTS9204	Principles of eBusiness	6
MTS9206	Web Technologies	6
MTS9218	System Design and Human Computer Interaction	6
MTS9301	Professional Practice and Ethics	6
MTS9311	Database Management Systems	6
	Plus one or other of the following:	
MTS9318	Information Systems Project	12
or		
MTS9351	Information Technology Project	12

2. Plus 18 cp taken from the following:

MCS9206	Markup Languages	6
MTS9207	Web Programming	6
MTS9208	Strategic Systems Management	6
MTS9212	Corporate Network Planning and Design	6
MTS9302	Corporate Network Management	6

MTS9306	Strategic eBusiness Solutions	6
MTS9307	Web Programming II	6
MTS9315	Web Modelling	6
MCS9322	Systems Administration	6
MTS9332	Business Process Management	6

Professional Recognition

Accreditation by the Australian Computer Society for membership at a 'Professional level' for the Master of Information Technology Studies Advanced has been approved.

Student Income Support

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

The Master of Clinical Exercise Physiology has been approved by DEEWR as an eligible Masters programme for Student Income Support.

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

Other Information

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

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Informatics
	(School of Mathematics and Applied Statistics)
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Individual supervised research
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	001244E

Overview

Doctor of Philosophy (PhD) candidates undertake in-depth research in order to make an original contribution to the body of knowledge in mathematical or statistical studies. This qualification can lead to, or enhance, an academic career and is highly regarded by private and public sector employers.

Entry Requirements / Assumed Knowledge

A four-year Honours Bachelor degree in any relevant area of Mathematics or Statistics (Class II, Division 2 or higher); or a Master of Science – Research (Mathematics) or (Statistics) with a strong performance in the 48 credit point thesis, or equivalent.

Course Requirements

This program is 100% by thesis (carrying weighting of 48 credit points per year). Students may be required to attend lectures in relevant topics on occasion throughout the program.

Current Research Areas

Please refer to staff web pages at www.math.uow.edu.au for current research areas.

Other Information

It is possible to downgrade enrolment from a PhD to a Master of Science - Research, with the permission of the Head of School. Further information is available at http://coursefinder.uow.edu.au/ or email: informatics_studenq@uow.edu.au

Master of Financial Mathematics

Testamur Title:	Master of Financial Mathematics
Abbreviation:	MFinMath
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1548
CRICOS Code:	050301F

Overview

To provide students whose first degree is in an area such as mathematics, finance, economics, business, engineering or science with training in quantitative financial analysis and a range of analytical, statistical, computational and modelling skills needed for the formulation, implementation and evaluation of models in the financial sector to structure transactions, evaluate financial derivatives, manage risk and construct investment strategies.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with a major in mathematics or statistics.

Applicants with other three-year degrees will be considered if they possess a substantial background in mathematics (including calculus, linear algebra, differential equations, probability and statistics) equivalent to at least a second-year Bachelor level.

Course Requirements

The degree will normally occupy two (2) sessions of full-time study or four (4) sessions of part-time study, and requires satisfactory completion of at least 48 credit points, as set out in the following course program.

Course Program

Subjects		**Session**	**Credit Points**
FIN921	Managerial Finance	Autumn/Spring	6
MATH941	Financial Calculus	Autumn	6
MATH942	Numerical Methods in Finance	Spring	6
MATH943	Practitioners' Seminars	Annual	0
STAT920	Stochastic Methods in Finance	Autumn	6
STAT921	Linear and Generalised Linear Models	Spring	6
and			
FIN920	Advanced Risk and Insurance	n/o 2012	6
or			
FIN926	Advanced Managerial Finance	Spring	6
Plus one STAT and one FIN subject chosen from:			
STAT922	Statistical Inference	Spring	6
STAT923	Applied Probability and Financial Risk	Autumn	6
FIN 922	Investment Management	Autumn	6
FIN 923	Portfolio Management	Spring	6

Professional Recognition

All graduates of this program satisfy the education requirements for Senior Associate membership of the Financial Services Institute of Australasia. (Senior Associate membership requires three years practical experience as well as the educational component.)

Other Information

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

Master of Mathematics

Testamur Title:	Master of Mathematics
Abbreviation:	MMath
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	586
CRICOS Code:	012130B

Overview

This program is designed to consolidate and expand the mathematics knowledge gained by a student in an undergraduate program and to develop skills in undertaking mathematical research projects.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with a major in a relevant area of Mathematics, or equivalent. Applicants with a tertiary qualification containing a minimum of two (2) years of mathematics may be considered.

Course Requirements

The degree will normally occupy two (2) sessions of full-time study or four (4) sessions of part-time study, and requires satisfactory completion of at least 48 credit points, as set out in the following course program.

The registration of a candidate will be subject to termination if that candidate fails subjects to the total value of 18 or more credit points.

Each candidate shall have a supervisor appointed on the recommendation of the Head of Postgraduate Studies.

Candidates must complete one of MATH990 or MATH991, plus further subjects to make a total of 48 credit points. Apart from MATH990 and MATH991, further subjects may be chosen from the course program listed below. The final program is subject to the approval of the Head of Postgraduate Studies.

Course Program

Subjects		**Session**	**Credit Points**
MATH990	Project Part 2	Autumn/Spring	6
Or, with the approval of the Head of Postgraduate Studies, candidates may replace MATH990 with:			
MATH991	Project	Annual	12
Plus at least 42 credit points (or 36 credit points if MATH991 is undertaken) chosen from the following list, as approved by the Head of Postgraduate Studies:			
INFO911	Data Mining and Knowledge Discovery	Autumn	6
INFO912	Mathematics for Cryptography	Autumn	6
MTH9302	Differential Equations 3	Autumn	6
MTH9305	Partial Differential Equations	Spring	6
MTH9312	Applied Mathematical Modelling 3	Autumn	6
MTH9313	Industrial Mathematical Modelling	n/o 2012	6
MTH9322	Algebra	Autumn	6
MTH9323	Topology and Chaos	Spring	6
MTH9324	Calculus of Variations and Geometry	n/o 2012	6
MTH9325	Wavelets	n/o 2012	6
MTH9329	Medical Mathematics and Applications	n/o 2012	6
MATH902	Solution of differential equations by one parameter groups	n/o 2012	6
MATH971	Advanced Topics in Applied Mathematics A	Autumn	6
MATH907	Research Methods	Autumn	6
MATH972	Advanced Topics in Applied Mathematics B	Spring	6
MATH973	Advanced Topics in Pure Mathematics A	Autumn	6
MATH974	Advanced Topics in Pure Mathematics B	Spring	6
MATH980	Preliminary Topics in Mathematics A	Autumn	6
MATH981	Preliminary Topics in Mathematics B	Spring	6
MATH982	Preliminary Topics in Mathematics C	Autumn	6

Or any other 900-level subjects offered by the School of Mathematics and Applied Statistics, as approved by the Head of School and/or Head of Postgraduate Studies.

Note the content of the subjects MATH971, MATH972, MATH973, MATH974, MATH980, MATH 981 and MATH 982 may vary each year. However, each year it will be possible to specialise in either applied mathematics or pure mathematics.

A list of topics that will be covered within the above subjects in any one year will be available in the subject database towards the end of each preceding year. These subjects include those offered by UOW staff, those from the Australian Mathematical Sciences Institute Summer and Winter graduate schools and classes available remotely, via the School's access grid room.

In exceptional circumstances and subject to approval by the Head of Postgraduate Studies, up to two 6 credit point subjects may be replaced by 900-level subjects of the same value offered by Units other than the School of Mathematics and Applied Statistics.

Other Information

Students who satisfactorily complete the Master of Mathematics degree are eligible to apply for entry to the Master of Science - Research (Mathematics).

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

Master of Mathematical Studies

Testamur Title:	Master of Mathematical Studies
Abbreviation:	MMathStud
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1620
CRICOS Code:	068541J

Overview

The Master of Mathematical Studies is designed for candidates who have an existing degree with at least first year mathematics. It is intended for candidates wishing to update and broaden their previous mathematical and/or statistical training at Bachelor level. This program is designed to consolidate and expand the mathematics knowledge gained in an undergraduate program and to develop skills in undertaking mathematical research projects.

Entry Requirements / Assumed Knowledge

A degree equivalent to a three-year Australian Bachelor degree with at least one year of mathematics.

Course Requirements

The degree will normally occupy two (2) sessions of full-time study or four (4) sessions of part-time study, and requires satisfactory completion of at least 48 credit points of Group A and B subjects, as set out in the list below. Candidates must complete at least 24cp of group B subjects. Entry into MATH990 or STAT990 is subject to the candidate completing at least 18cp of Group A or B subjects, with a minimum WAM of 65. The selection of subjects must be approved by the Head of Postgraduate Studies (HPS). The HPS will disallow subject choices for which the content is largely equivalent to subjects for which credit has already been obtained in other degree programs. Up to 12cp of other 900-level subjects, from the School of Mathematics and Applied Statistics or other units, may be included in the degree, if approved by the Head of Postgraduate Studies.

Course Program

Group A subjects

SHS 940	Statistics in Health Research	Spring	6
ISIT924	Simulation and Modelling	Spring	6
MMS9201	Multivariate and Vector Calculus	Autumn	6
MMS9202	Differential Equations 2	Spring	6
MMS9203	Linear Algebra	Autumn	6
MMS9204	Complex Variables and Group Theory	Spring	6
MMS9212	Applied Mathematical Modelling 2	Spring	6
MMS9222	Continuous Mathematics	Autumn	6
MMS9231	Probability and Random Variables	Autumn	6
MMS9232	Estimation and Hypothesis Testing	Spring	6

Group B subjects

INFO911	Data Mining and Knowledge Discovery	Autumn	6
INFO912	Mathematics for Cryptography	Autumn	6
MMS9302	Differential Equations 3	Autumn	6
MMS9305	Partial Differential Equations	Spring	6
MMS9312	Applied Mathematical Modelling 3	Autumn	6
MMS9313	Industrial Mathematical Modelling	n/o 2012	6
MMS9322	Algebra	Autumn	6
MMS9323	Topology and Chaos	Spring	6
MMS9324	Calculus of Variations and Geometry	n/o 2012	6
MMS9325	Wavelets	n/o 2012	6
MATH907	Research Methods	Autumn	6
MATH941	Financial Calculus	Autumn	6
MATH942	Numerical Methods in Finance	Spring	6
MATH990	Project Part 2	Autumn/Spring	6
STAT921	Linear and Generalised Linear Models	Spring	6
STAT922	Statistical Inference	Spring	6
STAT923	Applied Probability and Financial Risk	Autumn	6
MMS9335	Sample Surveys and Experimental Design	Autumn	6
STAT990	Minor Project	Autumn/Spring	6

Other Information

Students who satisfactorily complete the Master of Mathematical Studies degree are eligible for entry to the Master of Mathematics, Master of Statistics and the Master of Financial Mathematics..

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

Master of Science - Research

Testamur Title:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Informatics
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face) and Supervised individual research
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1345
CRICOS Code:	042542M

Overview

Master of Science – Research (Statistics) - 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.

Master of Science – Research (Mathematics) - 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 Statistics, or an equivalent Master by coursework degree in Mathematics or Statistics.

Entry from a relevant Pass Bachelor degree, or Pass Bachelor degree and Graduate Diploma, with a very good academic record is also possible.

Credit Arrangements

Candidates with an Honours Bachelor degree at a standard of Class II, Division 2 or higher, or an equivalent Master by coursework degree, may be given exemption from all, or some, of the 24 credit points of coursework.

Course Requirements - Statistics

The degree is normally 72 credit points, consisting of a 48 credit point research thesis and 24 credit points of coursework. The program must be completed in a maximum time of two years full-time (or four years part-time) and requires satisfactory completion of the following:

1. 24 credit points of subjects chosen from the 900-level Statistics subjects listed below, which together provide research skills and competencies required to complete a research project in Statistics.
2. 48 credit point thesis.

The registration of a candidate will be subject to termination if that candidate fails subjects to the total value of 18 or more credit points.

Each candidate shall have a supervisor appointed on the recommendation of the Head of Postgraduate Studies.

900-Level Statistics Subjects

Subjects		Session	Credit Points
STAT901	Modern Inference	n/o 2012	6
STAT902	Advanced Data Analysis	Autumn	6
STAT903	Survey Design and Analysis	Spring	6
STAT904	Statistical Consulting	Autumn	6
STAT905	Time Series	n/o 2012	6
STAT906	Experimental Design	Spring	6
STAT920	Stochastic Methods in Finance	Autumn	6
STAT971	Preliminary Topics in Statistics A	Autumn	6
STAT972	Preliminary Topics in Statistics B	Autumn/Spring	6
STAT981	Advanced Topics in Statistics A	Autumn	6
STAT982	Advanced Topics in Statistics B	Spring	6
STAT983	Advanced Topics in Statistics C	Autumn	6

Note the content of the subjects STAT971, STAT972, STAT980, STAT981 and STAT982 may vary each year. A list of topics that will be covered within the above subjects in a particular year will be available on the subject database. These topics include those offered by UOW staff, those from the Australian Mathematical Sciences Institute Summer and Winter graduate schools and classes available remotely, via the School's access grid room.

Course Requirements – Mathematics

The degree is normally 72 credit points, consisting of a 48 credit point research thesis and 24 credit points of coursework. The program must be completed in a maximum time of two (2) years full-time (or four (4) years part-time) and requires satisfactory completion of the following:

1. 24 credit points of subjects chosen from the 900-level Mathematics subjects listed below, which together provide research skills and competencies required to complete a research project in Mathematics.
2. 48 credit point thesis.

The registration of a candidate will be subject to termination if that candidate fails subjects to the total value of 18 or more credit points.

Each candidate shall have a supervisor appointed on the recommendation of the Head of Postgraduate Studies.

900-Level Mathematics Subjects

Subjects		Session	Credit Points
INFO911	Data Mining and Knowledge Discovery	Autumn	6
INFO912	Mathematics for Cryptography	Autumn	6
MATH902	Solution to Differential Equations by One-Parameter Groups	n/o 2012	6
MATH971	Advanced Topics in Applied Mathematics A	Autumn	6
MATH972	Advanced Topics in Applied Mathematics B	Autumn/Spring	6
MATH973	Advanced Topics in Pure Mathematics A	Autumn/Spring	6
MATH974	Advanced Topics in Pure Mathematics B	Spring	6
MATH980	Preliminary Topics in Mathematics A	Autumn	6
MATH981	Preliminary Topics in Mathematics B	Spring	6
MATH982	Preliminary Topics in Mathematics C	Autumn	6

Note the content of the subjects MATH971, MATH972, MATH973, MATH974, MATH980, MATH981 and MATH982 may vary each year. However, each year it will be possible to specialise in either applied mathematics or pure mathematics.

A list of topics that will be covered within each of the above subjects will be available in the subject database each year. These topics will include those offered by UOW staff, those from the Australian Mathematical Sciences Institute Summer and Winter graduate schools and classes available remotely, via the School's access grid room.

Current Research Areas

For areas of research available to candidates undertaking the Master of Science – Research, Mathematics / Statistics please refer to staff web pages at www.math.uow.edu.au.

Other Information

Before the award Master of Science - Research (Statistics) is conferred on a candidate who holds a testamur of the University of Wollongong for the degree of Master of Statistics, the candidate shall surrender the testamur and the corresponding rights to the degree of Master of Statistics.

Before the award Master of Science - Research (Mathematics) is conferred on a candidate who holds a testamur of the University of Wollongong for the degree of Master of Mathematics, the candidate shall surrender the testamur and the corresponding rights to the degree of Master of Mathematics.

It is possible to upgrade enrolment from a Master of Science – Research to a PhD, in certain circumstances. Consult the HDR Handbook: Course Transfers for more information.

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

Master of Statistics

Testamur Title:	Master of Statistics
Abbreviation:	MStat
Home Faculty:	Informatics
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	575
CRICOS Code:	016121D

Overview

This program is designed to upgrade statistical skills, and to educate the candidate to undertake advanced statistical work in industry, commerce or government, including the ability to communicate effectively with the users of their statistical skills.

Entry Requirements / Assumed Knowledge

Entry to the program requires a degree equivalent to a three-year Australian Bachelor degree with a major in Statistics (or a Graduate Diploma in Statistics), or equivalent. Applicants with a tertiary qualification containing a minimum of two years of statistics may be considered.

Course Requirements

The degree will normally occupy two (2) sessions of full-time study or four (4) sessions of part-time study, and requires satisfactory completion of at least 48 credit points, as set out in the following course program.

The registration of a candidate will be subject to termination if that candidate fails subjects to the total value of 18 or more credit points.

Each candidate shall have a supervisor appointed on the recommendation of the Head of Postgraduate Studies.

Course Program

Subjects		Session	Credit Points
STAT990	Minor Project	Autumn/Spring	6
or, with the approval of the Head of Postgraduate Studies, candidates may replace STAT990 with:			
STAT991	Project	Annual	12
Electives			
Plus at least 42 credit points (or 36 credit points if STAT991 is undertaken) chosen from the following list, as approved by the Head of Postgraduate Studies:			
STAT901	Modern Inference	n/o 2012	6
STAT902	Advanced Data Analysis	Autumn	6
STAT903	Survey Design and Analysis	Spring	6
STAT904	Statistical Consulting	Autumn	6
STAT905	Time Series	n/o 2012	6
STAT906	Experimental Design	Spring	6
STAT920	Stochastic Methods in Finance	Autumn	6
STAT971	Preliminary Topics in Statistics A	Autumn	6
STAT972	Preliminary Topics in Statistics B	Autumn/Spring	6
STAT981	Advanced Topics in Statistics A	Autumn	6
STAT982	Advanced Topics in Statistics B	Spring	6
STAT983	Advanced Topics in Statistics C	n/o 2012	6
MATH907	Research Methods	Autumn	6

Or any other 900-level subjects offered by the School of Mathematics and Applied Statistics, as approved by the Head of Postgraduate Studies.

Note: The content of the subjects STAT971, STAT972, STAT980, STAT981 and STAT982 may vary each year. A list of topics that will be covered within the above subjects in a particular year will be available on the subject database. These topics include those offered by UOW staff, those from the Australian Mathematical Sciences Institute Summer and Winter graduate schools and classes available remotely, via the School's access grid room.

In exceptional circumstances and subject to approval by the Head of Postgraduate Studies, up to two 6 credit point subjects may be replaced by other 900-level subjects of the same or greater value.

Other Information

Students who satisfactorily complete the Master of Statistics degree are eligible to apply for entry to the Masters of Science – Research (Statistics).

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

FACULTY OF INFORMATICS

CSCI910 Formal Methods in Software Engineering

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject introduces students to formal methods for software specification. The role of formal methods in the software development process is explained and investigated. The subject uses the Z notation as an example of a formal specification technique and introduces software tools for the creation and manipulation of Z specifications. Case studies of safety-critical and real-time systems are used as a basis for a study of the application of formal specification techniques. Topics will include: Introduction to formal approaches to design and specification, Review of mathematical foundation for formal methods, use of assertions and proof, analysis and verification of specification and design, disciplined approaches to design change, Z notation and its related software tools.

CSCI920 Contemporary Topics in Computer Science

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines both the history and current trends in addition to ethical codes and professional practice within the computer science discipline. Topics covered will include influential people and devices, mathematical computation, hardware, languages, paradigms, input and output of code, group work, professional and ethical responsibilities, social context of computing, privacy and civil liberties, current and emergent trends including carbon centric coding, cloud computing, quantum computing and ethical implications of current computing trends and future trends. Within these areas student will examine and explore a wide range of topics with a view to examining the current computing grand challenges.

CSCI924 Reasoning and Learning

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

CSCI926 Software Testing and Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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-requisite: None
Subject Description: This subject will demonstrate how software development can be viewed as a kind of engineering - an activity of building useful things to serve recognisable purposes. For software engineers, these useful things are a special kind of machine known as software systems. This subject emphasises the importance of understanding the application domains that software systems interact with and the problems we try to solve in these domains. The subject focuses on writing explicit and precise descriptions known as: (1) Requirements - descriptions of application domains and the problems to be solved there; (2) Specifications - descriptions of the interface between the machine and the application domain. The subject addresses techniques used to record, elicit, and reason about these descriptions. The subject examines the approach to Requirements and Specification techniques taken by a range of systems engineering methodologies. The concepts of method engineering are introduced and the role of software tools to support this activity is discussed.

CSCI935 Computer Vision

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

Co-requisite: 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-requisite: 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-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject explores ways in which a robot can combine data from variety of sensors to create or update a model of its environment, and then use this model to infer the consequences of proposed actions. The subject will cover the use of internal sensors, such as those measuring odometry and location, and external sensors including those for touch, vision, and range finding.

CSCI946 Multimedia Content Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject covers the creation and management of digital media for multimedia applications. Multimedia systems combine images, graphics, audio and text to interactively communicate information. Each of these media has its own standards, algorithms and file formats. The foundations strand examines the principles of how media is created, described and managed. The practical strand explores the acquisition and editing of digital video and audio with professional tools.

CSCI964 Computational Intelligence

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This subject provides a fundamental understanding of information protection and efficient coding strategies that can be used to ensure correctness, security and authenticity of data. It uses entropy as the universal measure of information to analyse and explore fundamental bounds on the performance of secure and reliable storage and communication systems, and examine a range of coding schemes that form the main building blocks of such systems. It will include the following topics. i) redundancy in data and compression algorithms ii) efficient error control strategies for secure and reliable communication and storage systems; iii) coding methods for secrecy and authenticity.

CSCI968 Advanced Network Security

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject begins with a review of typical networking structures, and a brief overview of security concerns. The effect on security of different network architectures will be considered. Protocol design and analysis will be treated in depth, in particular authentication and key exchange/establishment protocols. Distributed or server aided computation will be studied. Theoretical and practical aspects of traffic analysis, intrusion detection and intrusion prevention systems will be studied. A range of additional topics, such as wireless security and reverse engineering, will be included as appropriate.

CSCI969 Topics in Applying Information Security

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: CSCI966 & CSCI968 &CSCI971 & INFO912 & ISIT937
Subject Description: The class will be divided into groups of about 3 students. Each group will work independently on an implementation of a secure system requiring knowledge drawn from other subjects in the Information Security Major. The class will be provided with a foundational set of readings for the development of a secure, probably distributed, system. This is not a research project in the sense of developing a fundamentally new system, but research skills such as literature analysis in documents and exploring resources will be critical. Coding will be in either C or C++.

CSCI971 Advanced Computer Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: In 2012, 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.

CSCI982 Preliminary Topics in Computer Science C

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Science.

CSCI990 Computer Science Project

Not on offer in 2012
Credit Points: 18
Pre-requisites: CSCI940 at 75/100 or better is strongly advised
Co-requisite: None
Subject Description: This subject provides an opportunity for the student to engage in research training in general and to conduct an individual in-depth research on a topic of mutual interest to them and their supervisor. Students are able to select topics from any of the areas of major study in the Master of Computer Science (Advanced) degree.

CSCI991 Project

Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: CSCI940 at 75/100 or better is required
Co-requisite: 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-requisite: 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 Optimum Signal Processing

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 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-requisite: None
Exclusions: ECTE403
Subject Description: The aim of this subject is to extend digital signal processing knowledge gained in undergraduate courses. The contents will consist of: applying digital signal processing in image and video processing applications, including current research developments.

ECTE906 Advanced Signals and Systems

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to provide students with fundamental theoretical and practical skills to undertake the analysis, modelling and simulation of signals and systems using Matlab and Simulink. This subject will cover analogue and digital signal representation and transformation; system function; time and frequency response; random signals and analysis; and signal processing applications.

ECTE912 Power Electronics and Drives

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

ECTE914 Overhead, Underground Line Design and Construction

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of the design and construction aspects of overhead lines and underground cabling.This includes planning, lightning protection, insulation design and co-ordination, electrical and thermal design, earthing and structure design, stress management and overall design and layout.

ECTE915 Power Quality

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of power quality which is the study of the disturbances in the electricity supply system which might prevent customer equipment from operating as intended. It will include their causes, effects, acceptable levels, determination of responsibility and mitigation.

ECTE916 Distribution System Reliability

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of electricity transmission and distribution system reliability, its assessment and use in planning, operation and maintenance. It will give a comprehensive overview of electricity network reliability as it affects end-use customers as well as a detailed appreciation of the factors which make up overall network performance indices and how these factors may be modified to improve performance. It will introduce customer outage costs and show how these may be balanced against CAPEX and OPEX in cost benefit analysis.

ECTE917 Renewable and Embedded Generation

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of the significance of renewable and embedded generation in the operation of electric power systems. The course will cover topics such as: (a) the characteristics of various sources of renewable and embedded generation; (b) the interface issues between renewable and embedded generation and power systems and connected loads; (c) the impact of such generation on power quality and protection requirements; (d) understanding the various regulatory requirements with respect to connection of generation that is adopted; (e) the concept of micro-grids, active networks and various modes of operation and impact on the electricity market; and (f) modelling and simulation techniques to consider performance of renewable and embedded generation.

ECTE918 High Voltage Engineering

Autumn Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of: (a) the voltage stresses that occur in high voltage electrical power systems; (b) how these stresses are generated; (c) how these stresses distribute themselves throughout equipment; and (d) some of the techniques required to accommodate these voltage stresses.

ECTE919 Distribution Network Planning

Autumn Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of modern distribution network planning systems and processes including: the network planning process; planning philosophy (probabilistic

and deterministic planning); the reliability risk and network investment trade-off; demand forecasting; embedded generation; subtransmission and zone substation network planning; zone substation design criteria; medium voltage distribution feeder planning and design criteria; low voltage distribution planning; security of supply to customer loads; power quality; demand side management; standardisation of assets; protection, communication and control; economic evaluation of projects; smart grid and new technologies.

ECTE920 Electricity Market Structures and Demand Side Integration

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of electricity market structures and the role of Demand Side Integration (DSI) in advancing the efficient and effective use of electricity in support of power system needs and customer needs. This subject will also provide students with an understanding of both the supply and demand side of the market with its various interactions. On the supply side, gaining an understanding of the operation of the market. On the end-use side, gaining an understanding of the emerging area where end-use resources on the customer side of the meter can be engaged to respond to electric power system market conditions.

ECTE921 Power Quality and Reliability

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

ECTE923 Power System Analysis

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ECTE423, ECTE924
Subject Description: The aim of this subject is to provide students with an understanding of the advanced techniques required for power systems calculations and analysis. Topics covered in this subject include: an introduction to power systems comprising thermal and hydro power stations; transmission lines and distribution systems; computer applications in power systems planning, design, control and operation; review of basic analysis tools; reactive power management; load flow and fault analysis; and transient stability and current research developments in these areas.

ECTE926 Power Distribution Systems

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

ECTE927 Renewable and Distributed Generation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of renewable energy systems and their operation and control issues. The specific topics include: fundamentals of renewable power generation; solar photovoltaic (PV) electrical characteristics and grid integration of PV systems; wind power systems; wind farm integration issues; other renewable resources and their grid interconnection; distributed generation (DG) and micro-grids; energy storage; power electronics interfaces of renewable resources; impact of multiple renewable energy units on electricity networks; network support and voltage regulation by DG; and operation and control aspects of the DG.

ECTE928 Power System Earthing

Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of power system earthing design, construction and testing. The course will address the complex problems of inductive and conductive interrelationships between substation and powerline and cable earthing systems and other metallic systems. Techniques for solving problems found in earthing system design will be investigated using both empirical and analytical computer based techniques. The transition from computer model to the practical issues involved in construction and commissioning will also be addressed.

ECTE929 Power System Protection and Communication

Spring Wollongong Modular
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of the purpose and application of protective systems in electrical distribution networks. Both the theoretical and practical aspects of protection schemes are explored with an emphasis on realistic scenarios. Students will be introduced to the tools used by industry to evaluate and design protection schemes. The performance of common measurement transducers, the various classes of protective relays and their theory of operation is explored. Protection relay communications,

including traditional analogue systems and modern digital concepts, such as IEC 61850, will be discussed. The application of appropriate relevant standards will be a key feature of this subject.

ECTE930 Substation Design

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is aimed at the engineering and design of electrical substations. The topics covered will include: (a) major equipment selection; (b) layout; (c) site design; (d) grounding system design; (e) insulation coordination; (f) protective relaying and instrumentation; (g) design for reliability; and (h) substation automation.

ECTE931 Real-Time Computing

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

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: The subject will examine the key properties of software, firmware, and hardware systems in the embedded, resource constrained, mobile, and highly distributed world. It will explore topics, including embedded processors instruction sets, performance and power consumption, the embedded computing platform, program analysis and design, embedded processors and operating systems, hardware accelerators, networks for embedded systems, and systems-on-silicon and current research developments in these areas.

ECTE934 Electrical Safety

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an understanding of: (a) ventricular fibrillation and the danger it poses; (b) how arcing hazards can cause significant burns; (c) the multitude of ways personnel can sustain injuries from an electrical power system; (d) isolation, earthing tag-out and lock-out systems; and (e) how to maintain a safety culture in the workplace.

ECTE935 Advanced Computer Architecture

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide students with an in-depth understanding of contemporary processor design issues, in particular, high performance processor design (such as pipelining, cache/virtual memory, superscalar/instruction-level parallelism, multiple-issue architectures and SIMD/VLIW), energy efficient processor architectures, deep multicore systems, vector processing, virtualisation and modern I/O infrastructure (USB, PCI-E, Hypertransport as well as I2C and SPI). This subject also introduces performance evaluation metrics and benchmarks and explores their application and limitations. Students completing this subject should be able to design high-performance computer systems and processor cores, understand the consequences of their design decisions on performance and energy efficiency and demonstrate their competence via computer simulation.

ECTE936 Embedded Java

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ECTE331
Subject Description: This subject is designed to enable students to deploy Java for programming embedded systems (with and without user interfaces). The subject will consider Java (both Micro and Standard editions) for embedded systems. In particular, material will address embedded devices such as mobile phones, and Internet aware microcontroller systems.

ECTE941 Intelligent Control

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ECTE441, ECTE943.
Subject Description: This subject will review the latest control techniques used where the system is poorly known or changing with time or conditions. Methods examined in detail may include: fuzzy systems, neural networks, adaptive control, crisp and neuro fuzzy control and current research developments in these areas.

ECTE942 Computer Controlled Systems

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

ECTE944 Identification and Optimal Control

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: 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 quadratic performance index; quadratic optimal control; Kalman filters; and applications of genetic algorithms in system identification and optimal control, including current research developments.

ECTE947 Research Project

Not on offer in 2012
Credit Points: 12
Pre-requisites: 24 credit points of 900-level subjects from the Master of Electrical Power Engineering program.
Co-requisite: None
Subject Description: The aim of this subject is to enable students to develop and undertake a research oriented project relevant to their place of employment in the broad area of electrical power engineering. The project topic has to be developed in consultation with an industry supervisor from the student's place of employment and the University. The project must have a strong research aspect attached to it. The project topic and the work to be undertaken must enhance the research skills of the student. Through the project, students will have the opportunity to identify a research problem of relevance or interest to their workplace, develop the methodology to address the problem and reach the desire outcomes.

ECTE953 Advanced Project

Annual Wollongong On Campus
Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: The aim of this subject is to provide an opportunity for students to undertake a major engineering project and develop their initiative. ECTE953 Advanced Project requires students to work on individual projects that may involve some background reading and analysis, the development of hardware, the development of software, or an experimental program. Where possible the projects are related to the research programs of the School and are chosen to develop the student's initiative. It will involve weekly tutorial sessions; the presentation of seminars; and writing of reports. Each student is required to deliver an oral seminar and to prepare a final thesis on the result of the work undertaken.

ECTE955 Advanced Laboratory

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ECTE956
Subject Description: The aim of this subject is to provide students with an opportunity to apply and verify theory in areas associated with the postgraduate programs through laboratory experiments and computer studies. Students will be expected to select three out of six projects and perform experiments; analyse results; and write reports on selected projects to illustrate practical issues related to the postgraduate program.

ECTE962 Telecommunications System Modelling

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ECTE462
Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including skills to analyse dimension telephone exchanges, trunk lines, Internet switches and circuit and packet switched networks. Topics covered will include: telephone and data networks and systems; mixed voice and data queueing systems; optimal capacity allocation; direct and alternate routing; and current research developments.

ECTE965 Wireless Communication Systems

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

ECTE967 Mobile Networks

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 Coding and Error Correction

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will enable students to further their knowledge and abilities in topics selected from the advanced technical subject areas in the relevant postgraduate program areas. Topics will be selected from the fields of computer and telecommunications engineering or automation and power engineering and will include current research developments.

ECTE971 Robotics and Flexible Automation

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ECTE471, ECTE472, ECTE972.
Subject Description: The subject provides the knowledge and skills required to design appropriate robotic systems for flexible automation, including the modelling, analysis, design, and deployment of a robotic manipulator and its associated sensory systems. The contents will consist of: Industrial robots, as a component of automation; mathematical modelling of a robotic arm; direct and inverse kinematics model; direct and inverse dynamic model; trajectory planning; control systems for industrial robots; tactile sensors; force sensors; ultrasound sensors; computer vision and other sensors and current research developments in these areas.

ECTE975 Communication and ICT Workplace Practice

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will provide an opportunity for students to develop a better understanding of the nature of generic skills and their significance in the workplace and in particular, the Australian workplace culture. It will provide students with the skills to communicate effectively - to individuals and groups - using an array of communication methodologies, eg. verbal, written and electronic. The development of skills to enhance employment, including the ability to identify appropriate opportunities, write applications and understand interview techniques will be a key focus of this subject.

ECTE986 Telecommunications Network Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ECTE486.
Subject Description: This subject aims 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

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

IACT906 Business On-Line

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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.

IACT999 Emerging Topics in Information Technology

Not on offer in 2012
Credit Points: 6
Pre-requisites: IACT901 plus 36 credit points @ 900 level
Co-requisite: None
Subject Description: This subject is concerned with the emerging issues involved in the analysis, design, development and implementation of a corporate-wide information system. Students will complete an individual project/business case related to the strategic use of IT in an organization. Students are required to apply their experience and knowledge from previous subjects, as well as a set of research methods to prepare a report and presentation. Projects will be undertaken individually and specific topics will be selected based on the student's chosen elective stream and interests. The subject also provides students with enhanced communication and project management skills.

INFO911 Data Mining and Knowledge Discovery

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: Logic: informal propositional logic, circuit theory. Natural Deduction style proofs in propositional & predicate logic. Interpretations & Models. Nonclassical logics. Number Theory: elementary number theory, modular exponentiation, discrete logarithms, Galois arithmetic & polynomials, error correcting codes & cryptography. Elliptic curves, groups for cryptography. Combinatorics: combinatorial probability, Knapsack problem, network and graph theory, combinatorial designs, game theory & linear programming applied to cryptography.

INFO933 Pattern Recognition

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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-requisite: 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-requisite: None
Subject Description: The principle purpose of architecture is to translate strategy into infrastructure. An architecture provides a blueprint for translating business strategy into a plan for IS. An infrastructure is everything that supports the flow and processing of information in an organization, including hardware, software, data, network components and their supporting staff and facilities from the application level to the inter-organisational level. This subject includes an exploration of enterprise architecture concepts, case studies and frameworks.

ISIT904 Systems Integration

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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-requisite: None
Subject Description: This subject examines the use of information in organisations and how that information is acquired and represented using the latest information modelling techniques. The subject has a focus on the use of Web technologies to manage and access information. It addresses the growing need for systematic approaches to Content Management and document management.

ISIT908 IT Governance

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Information Technology (IT) is pervasive in today's organisations, playing a critical role in achieving business goals and enabling lower cost structures, new levels of customer service, new products, new markets and new external stakeholders. Whereas in the past IT decisions were delegated to the IT organisation, all managers are today required of not only making better IT decisions, with confidence and competence, but also implementing and monitoring IT initiatives more effectively than their competitors. This course will explore IT governance theory and practice, including decision rights and internal control frameworks, to prepare students for the globally competitive workplace.

ISIT909 Advanced Business Process Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: BUSS909, ISIT409
Subject Description: A process perspective helps management to avoid or reduce duplicate work, facilitate collaboration and cross-functional communication, optimise business processes, create supply chains and achieve competitive advantage. IS and IT are fundamental to business process management (BPM), business transformation, continuous process improvement and supply chain management. IS/IT management must support the organisation's management of business processes and supply chains. Focus will be placed on the IS/IT management and business management perspectives of BPM, and on the human side of the Human Computer Interface. Topics covered include: theories, concepts, methodologies, techniques and tools to manage and enable business process design, analysis, implementation, management and optimisation; Strategies, architecture and infrastructure to support business processes, supply chains and business processes management; Embedding corporate knowledge into business processes; BPM risks and issues; Basic business process analysis and modelling.

ISIT910 IT-enabled Supply Chain Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Information technology (IT) enabled supply chains are transforming the modern business landscape. Lectures in this subject will show how IT is being used to create and support operational and strategic supply chain advantages. Laboratory activities will provide hands-on knowledge of the application of enterprise software (e.g., SAP), freight audit and payment software and how radio frequency identification (RFID) is being applied in supply chains around globe.

ISIT916 Organisational Issues & Information Technology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: IACT916, ISIT416
Subject Description: This subject aims to provide the student with an understanding of issues related to the combination of management, workers and information technology. Students will gain an appreciation of the complexity of the issues involved in decision making when people and technology are concerned. Students will also develop an understanding across commerce and industry of the parallels that exist in the development, implementation and application of information and communication technology. Effect on organisational information flows of growth in size and complexity: the management and technological response; Information technology as a catalyst in codifying work procedures and creating new organisational structures; Hierarchical versus horizontal approaches to information management; Management theory and IT; Industrial use of IT and parallels with office sector usage. Implications of broadband networks for traffic integration and subsequent application in commerce and industry.

ISIT917 Business Intelligence and Knowledge Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: IACT917
Subject Description: This subject focuses on strategies that promote knowledge creation and use within organisations. In total the subject enables students to gain familiarity of both quantitative and qualitative approaches to knowledge management and to develop competence in an area that is of interest to them. Student will be exposed to Business Intelligences (BI) as a contemporary strand of knowledge management practice. In addition they will be exposed to common BI methods and tools developing competence in one or more techniques. The subject also familiarises students with the literature in knowledge management to assist in critical assessment of methods and tools

ISIT918 Strategic Network Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: IACT918
Subject Description: The subject investigates the documentation and management of strategic networks. Topics to be covered include: 1. Network Requirements: a strategic network management perspective of informational, dimensional, functional, specification, configuration, integration, and service level requirements. 2. Managing the Network: influences on the network, management architectures and standards, performance management,

fault management, disaster management, managing changes in a network, cost minimisation management 3. Corporate and Regulatory Requirements: management teams, operations and support, standards and protocols.

ISIT924 Simulation and Modelling

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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: IACT924
Subject Description: The subject investigates the design and implementation of a strategic 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, design traceability, 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-requisite: 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-requisite: 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-requisite: 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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ITCS938
Subject Description: The subject explores the technology being adopted by organisations and the various means of maximising business potential using Internet technology, including eBusiness (B2B, B2C, B2G etc.). The focus of the course is from the IT professional perspective, giving the student a feel for what is required in a commercial business environment. The technology aspects will cover both developing in house software, as well as selecting 'best practice' outsourced options. Comparisons are drawn between the two adoption methods, and the student is engaged by scenario role playing as part of the group assignments.

ISIT940 IT Research Methods

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

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Exclusions: BUSS945
Subject Description: The aim of this subject is to provide students with the opportunity to study a topic of interest

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 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; gain experience in organising and using their time and efforts within specified constraints to produce a major piece of work in the form of a final report.

ISIT946 Project and Change Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: ISIT900
Co-requisite: 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-requisite: 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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: 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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Spring Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 12
Pre-requisites: IACT940 OR ISIT940 Also see Additional Information section of this site
Co-requisite: None
Exclusions: IACT950
Subject Description: This subject involves undertaking a project. Where possible the projects are related to the research interests of the School and/or staff and are chosen to develop the student's research skills. Each student is required to deliver an oral seminar and to prepare a final thesis on the result of the work undertaken.

ISIT999 ICT Research Project

Spring Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 18
Pre-requisites: ISIT940 see additional info below
Co-requisite: None
Subject Description: This is an individual academic research project conducted under the supervision of academic staff in the school.

MATH902 Solution to Differential Equations By One-Parameter Groups

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: One-parameter groups and Lie series, linear ordinary differential equations, first and second order ordinary differential equations, linear and non-linear partial differential equations.

MATH907 Research Methods

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: MATH990 or MATH991 or STAT990 or STAT991

Exclusions: ACCY907
Subject Description: This subject introduces students to the process of planning, undertaking and writing about a research project. The course teaches students how to search library resources and to prepare bibliographies. It covers the principles and nature of qualitative and quantitative methods of research, formulating research problems and questions, writing a literature review and a research proposal, hypothesis testing, scholarly writing conventions and the collection, analysis and evaluation of data.

MATH941 Financial Calculus

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Exclusions: Not to count with MATH321
Subject Description: MATH942 is designed to develop practical skills in numerical and computational mathematics to solve problems that have no analytic solution. Various numerical techniques, such as Newton's iteration method, finite difference and finite element methods, for solving algebraic as well as differential equations are discussed. Methods that are particularly of interest for finance problems such as the Monte Carlo method and the binomial method are also studied.

MATH943 Practitioners' Seminars

Annual Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 0
Pre-requisites: None
Co-requisite: None
Subject Description: MATH943 is designed to allow students enrolled in Master of Financial Mathematics to develop a knowledge base for the state-of-the-art technology and skills required in business and finance. Leading experts in industry relate first-hand experiences of problems and techniques that arise in the financial industry. Students will be required to attend each seminar and discuss the topics presented.

MATH971 Advanced Topics in Applied Mathematics A

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: Topics will be selected from the areas of interest of staff members or visiting staff members of the School.

MATH973 Advanced Topics in Pure Mathematics A

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

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

MATH978 Advanced Topics in Mathematics B

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

MATH980 Preliminary Topics in Mathematics A

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

Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Mathematics.

MATH982 Preliminary Topics in Mathematics C

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

MATH989 Project Part 1

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description:

MATH990 Project Part 2

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

MATH991 Project

Annual Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description:

MCS9102 Information Systems

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ITCS905
Subject Description: This subject will have 3 integrated strands: a) an overview of all the major Information Systems found in a typical business b) an introduction to essay and report writing at University level c) laboratory exercises to develop skills with office automation tools (e.g. Word, Excel, Access). Strand a) covers systems such as finance, HR, payroll, inventory, sales, CRM, SCM, ERP etcIt also introduces the Systems Development Lifecycle, several systems analysis and design techniques, and basic database concepts

MCS9103 Algorithms and Problem Solving

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject introduces the basic concepts of algorithms and their relationship to data structures and problem solving. This subject emphasises problem solving techniques leading to the development of algorithms rather than their implementation or a formal mathematical treatment of algorithms. Topics include sorting, searching and counting problems and the principal algorithms used in their solution. Common approaches to algorithm development and analysis will be examined.

MCS9110 Introduction to W3 Technologies

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9114
Co-requisite: None
Subject Description: This subject introduces the technologies that underlie the World Wide Web and its commercial applications. Topics include an overview of internet communications covering basic protocols such as TCP/IP and HTTP, an introduction to the web-browser/ web-server client-server systems, HTML/XHTML/XML markup languages, web forms, client side scripting technologies, basics of relational databases, and server side scripting languages. Students will build working web-sites with dynamic content. Working in groups, students will explore the uses of one or more of the more elaborate framework applications for web-based collaboration (Web-2 technologies).

MCS9114 Procedural Programming

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ITCS901
Subject Description: This subject introduces the procedural approach to program design and implementation. Covers basic language constructs for defining variables of built-in types, flow control constructs and simple I/O. Explores functional decomposition as a design technique, and the implementation of functions. Introduces simple user-defined data types and aggregates.

MCS9124 Applied Programming

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9114 & MCS9103
Co-requisite: None
Exclusions: ITCS902
Subject Description: This subject develops a thorough understanding of program design using data structures. It extends MCS9114 and presents pointers, dynamic memory management and exception handling. Other topics include implementation of Sorting and Searching Algorithms including the use of typedefs, void pointers and indexes to generalise algorithms; Implementation of data structures: queues, stacks, linked lists, dequeues, trees; Use of arrays as an implementation structure - hashing, radix sort, heaps and Heapsort; Random Access files and internal I/O; Testing of programs: black and white box testing, and the use of debuggers; Use of multi-file organisation in encapsulation and data hiding, with make files; These concepts will be treated through formal lectures, tutorials, assignments and laboratory sessions employing an object oriented language.

MCS9201 Professional Practice & Ethics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ITCS908
Subject Description: This subject provides students with a real-world approach to Information and Communication Security Issues. Both managerial and technical aspects are addressed. The subject will cover the need for security, professional and regulatory considerations, security

technology, physical security, information security, and personnel issues. Students will be required to engage in problem solving activities that apply the principles learned in the subject, and will also be required to acquire knowledge of current practice and technologies.

MCS9203 Algorithms and Data Structures

Autumn Wollongong On Campus

Credit Points: 6
Pre-requisites: MCS9124 or ITCS902
Co-requisite: None
Exclusions: ITCS903
Subject Description: Approaches to analysing algorithm complexity, introduced in earlier subjects, will be reviewed. The use of abstract data types as a design technique, and their implementation in solutions to problems, will form a large part of the subject. The concept of efficient code and ways to measure efficiency (both empirically, by timings, and theoretically) will be studied.

MCS9204 Object and Generic Programming in C++

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: MCS9124 or ITCS902
Co-requisite: None
Exclusions: Not to count with ITCS903
Subject Description: This subject develops a thorough understanding of the object-oriented approach and introduces such object concepts as encapsulation, inheritance, polymorphism and runtime binding. This is complemented by an introduction to object-oriented design, with UML representations at the program level. Templates are introduced as a method of achieving generalisation. Container classes and the Standard Template Library are presented as examples of generic programming.

MCS9205 Software Development Methods & Tools

Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: MCS9124
Co-requisite: None
Exclusions: ITCS917
Subject Description: This subject provides an introduction to the process of design and analysis of software. Students will receive a formal introduction to the software design process and techniques, pattern design and reuse, as well as general approaches of interface design. A UML supporting tool will be used for practice of object oriented development approach.

MCS9206 Markup Languages

Autumn Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MTS9206
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-requisite: None
Exclusions: ITCS909
Subject Description: The subject develops an understanding of the operating system and tools from a programmer's viewpoint. Topics covered include the file system, processes, communication and tools. In particular, access, security, organisation, operating system effect on performance of a program, support, control; process and interaction, inter-process communication; use of shell scripts and commands to enhance problem solving; tools for development process; program paradigms: parallel, distributed, etc.

MCS9213 Java Programming and Applications

Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: MCS9124
Exclusions: ITCS907
Subject Description: This subject provides: 1. an introduction to the Java language and some of its standard class libraries; and 2. experience with object oriented design and implementation techniques. Topics covered will include: use of a Java Integrated Development Environment, Java language, subset of the standard Java class packages (Standard Edition: windowing, graphics, TCP/IP networking, threads, database access, applet, media), security issues with portable code, Java 'Micro Edition' (ME) and its associated packages and applications. Development of applications for different environments.

MCS9222 Systems Development

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: MCS9204
Co-requisite: None
Subject Description: This subject provides a framework for understanding and developing the necessary skills to successfully undertake the major third year software project. The subject provides an introduction to the practical aspects of the development of a software application following a well defined process. Students will gain experience in the software development cycle, including requirements, design, and implementation, and also learn to exploit implementation support technologies. Assignments will provide experience of structured development work in a small group setting. The implementation language used in illustrations and assignments is C++.

MCS9235 Database Systems

Spring Wollongong On Campus

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

Subject Description: This subject investigates three major areas of modern database systems: 1. design of relational databases 2. programming of relational databases 3. concurrency control and data recovery in database systems. Topics will include: Introduction to conceptual database modelling; Principles of relational database model; Structured Query Language (SQL) and its procedural extensions (PL/SQL, Embedded SQL, JDBC); Database server programming; Normalisation of relational databases; and Transaction management and recovery in database systems

MCS9236 3D Modelling and Animation

Spring2012/Summer2012 Wollongong On Campus
Credit Points: 6
Pre-requisites: 12 credit points of MCS 900s
Co-requisite: None
Subject Description: This subject provides students with a hands-on introduction to the use of computers for developing models of three-dimensional objects and viewing them in 3D as still images and animations. Topics covered include basic modelling primitives, from polygons to spline surfaces; tools to modify simple objects; surfacing concepts such as textures and bump maps; basic lighting of scenes; the animation process including key frames, articulated structures, camera movement and morphing; lighting effects such as volumetrics and radiosity. The subject uses the industry standard software package LightWave.

MCS9262 System Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9124
Co-requisite: None
Subject Description: The subject covers some fundamental computer security technologies in the following aspects: (1) Operating system security such as physical security, file protections, system abuses, attacks and protections; (2) Database security including data integrity, data recover, data encryption/ decryption, access control, and authentication; (3) Mobile code security including malicious logic, host and mobile code protection, mobile agents' security. (4) Intrusion detection; (5) Security policies; (6) Security management and risk analysis.

MCS9301 Information and Communication Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9201 or ITCS908
Co-requisite: None
Subject Description: This subject provides students with a real-world approach to Information and Communication Security Issues. Both managerial and technical aspects are addressed. The subject will cover the need for security, professional and regulatory considerations, security technology, physical security, information security, and personnel issues. Students will be required to engage in problem solving activities that apply the principles learned in the subject, and will also be required to acquire knowledge of current practice and technologies.

MCS9303 Social Informatics and the Workplace

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9102
Co-requisite: None
Exclusions: ITCS923
Subject Description: The impact of IT in the workplace extends far beyond the computer. This subject explores the issues of employee monitoring, outsourcing and business practices, equality and ethics, from the perspectives of employer and employee. From real world examples, this subject draws on current issues in these areas to enable students to explore issues that are likely to be faced upon entering employment.

MCS9311 Software Process Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9205
Co-requisite: None
Subject Description: The primary aim of this subject is to acquaint students with the formal methodologies associated with the task of managing the software development process. Topics may include: Project Planning, Cost Estimation, Project Scheduling, Factors Influencing Productivity, Productivity Metrics, Risk Assessment and Management, Planning for Change, Release and Configuration Management, Software Process Standards, Software Contracts, Approaches to Maintenance, Long-Term Software Development, Case Studies of Real World Projects, Ethics, Professional Organisations, Legal Implications and Liabilities

MCS9315 Database Design and Implementation

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9235
Co-requisite: None
Exclusions: ITCS921
Subject Description: This subject investigates the process of relational database design starting from conceptual database design, through logical database design up to and including physical database design, database tuning and administration. The topics will include conceptual database design based on simplified UML class diagrams (entity classes), 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-requisite: None
Subject Description: The subject addresses the performance problems of relational database systems. In particular, it presents optimisation of query processing in relational database systems, performance tuning of database applications, transaction processing in database systems, optimisation of transaction processing, performance tuning of relational database servers, performance tuning of three tier database applications. Laboratory classes demonstrate the techniques used for elimination of performance problems in database systems. Oracle 9i database management system is used for demonstration purposes and all practical work in the subject.

MCS9318 Software Engineering Practices & Principles

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9205
Co-requisite: 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-requisite: None
Subject Description: This subject introduces basic concepts underlying modern distributed systems and provides some experience in the implementation of distributed system components. Topics covered will include: inter-process communications, multi threaded servers, remote-procedure-calls, remote-method-invocations; modern synchronous and asynchronous RPC client server systems and supporting processes; distributed system architectures, messaging and transactional systems; peer-to-peer, cluster, and grid technologies; virtualization and fault tolerance; synchronization; security and naming; supporting systems such as NFS, and DNS, practical exposure to real world distributed systems, design of distributed file services or distributed web based services. A student who successfully completes this subject should be able to: 1.Explain different systems architectures; make sensible choice of systems architectures for different applications; 2.Explain and appropriately utilize different service models including conventional client-server models, peer-to-peer models, cluster computing systems, grid computing mechanisms, and other specialized architectures; 3.Explain structured and unstructured peer-to-peer systems, and be able to implement various aspects of peer-to-peer systems. 4.Explain communications in distributed systems including XML-RPC, NFS, TCP, Message passing, and streaming.For Objectives 5-10 see below.

MCS9322 Systems Administration

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9204
Co-requisite: 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

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9114
Co-requisite: 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

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the design evaluation and implementation of interactive computing systems for human use (HCI) and the major phenomena surrounding them. Also considered are joint performance of tasks by humans and machines, structure of human machine communication, social and organizational interactions with machine design, human capabilities to use machines including their learnability as well as algorithms and programming of the interface itself, engineering concerns that arise in designing interfaces, the process of specification design and implementation of interfaces and design tradeoffs.

MCS9330 Operating Systems

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9212
Co-requisite: None
Exclusions: CSCI231
Subject Description: This subject develops a thorough understanding of the principles and concepts of modern computer operating systems. Topics covered will broadly include, process management, resource allocation, OS kernel, memory management, concurrency and file systems. Specifically the subject will include discussions on, process concept, synchronisation, concurrency control, threads, inter-process communication, deadlock prevention, avoidance and detection, micro and monolithic kernels, multi-tasking, interrupt handling, system and user processes. System calls, problems of allocation, protection and sharing, memory mapping schemes, CPU scheduling algorithms, real-time scheduling, naming and directory schemes, disc space allocation, file protection and access control and operating system security

MCS9336 Computer Graphics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9204
Co-requisite: None
Subject Description: Introduction to computer representation of lines and points; mathematical models; transformations in 2 and 3 dimensions; homogenous coordinate systems; fill algorithms; solid modelling; hidden line and surface algorithms; lighting models; and current trends.

MCS9337 Organisation of Programming Languages

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9124
Co-requisite: None

Subject Description: This subject develops an understanding of major programming paradigms including imperative, functional, logical, object-oriented, and procedural paradigms. Introduces formal language specification. Covers language definition and syntax; data types and data structures, control structures and data flow; run-time considerations; and interpreted languages.

MCS9346 Game Development

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9236
Co-requisite: None
Subject Description: Subject introduces the game development and production lifecycle. Students are exposed to the different game genre and how they affect game play. The design and development of different game plays are introduced. The subject allows students to explore the appreciation and critical review of modern games. There is a hands-on aspect of the subject where students design and develop games of different genres using appropriate game development framework.

MCS9356 Game Engine Fundamentals

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9204
Co-requisite: None
Subject Description: The subject will employ an appropriate game engine to illustrate the use of an application programming interface (API) in the design and development of physics and artificial intelligence models for computer games. The subject will cover topics including, dynamics of particles, collision, rigid body dynamics and collision, gravity and projectiles, spring systems, water and waves. 'Artificial intelligence' topics include finite state machines, fuzzy state machines, etc. The subject also covers the development of terrain, sound, etc, for games.

MCS9358 Security Engineering

Summer 2012/2013 Wollongong On Campus
Credit Points: 6
Pre-requisites: 12cp of MCS9 200s subjects
Co-requisite: None
Subject Description: This subject develops the skills and applies the knowledge necessary to identify and solve problems in the deployment of security systems. Topics include: Relationships among cryptographic techniques. Black, white and grey hat techniques. Authentication versus identification, Security policies for security administration. Security monitoring. E-commerce, bank security. File sharing and source control integrity. Legality of digital signatures, DRM, forensics, liability, copyright protection, internet censorship. Standards and RFCs. Security of deployed systems.

MCS9361 Cryptography and Secure Applications

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: (CSCI204 or CSCI213) plus 6cp of 200-level CSCI subjects
Co-requisite: None
Subject Description: This subject develops the skills and knowledge necessary to identify and address security problems in a variety of simple communication models. Topics covered include: Classical cryptology, Modern secret key cryptography including block (DES, AES) and stream ciphers (RC4), security properties (authentication, integrity, confidentiality, availability), public key cryptography (knapsacks, RSA, Rabin, Elgamal), digital signatures (RSA, DSS, Elgamal) , hashing (birthday paradox, Merkle-Damgard construction), MACS's, Key management (PKI, certificates, key establishment/exchange/transport, Diffie-Hellman), Identification protocols, Privacy preserving (mix-nets), Secret sharing. Applications studied include some of: email security, SET, E-payment, E-voting, Fair exchange.

MCS9366 Multimedia Computing

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9204
Co-requisite: None
Subject Description: The subject will introduce the acquisition, representation, compression, transportation/ communication and consumption of multimedia data including, images, video and audio. The treatment will be general and cover commonly used acquisition devices including digital still and video cameras, audio microphones; colour representation techniques for images and video; modern compression techniques for compact representation (JPEG, JPEG2000, H.264/AVC, MPEG4,); RTSP, etc. The subject will include a laboratory component where students design and implement simple applications of multimedia including computer games.

MCS9368 Network Security

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9361
Co-requisite: None
Subject Description: This subject provides a survey of network security technologies, and explores them in practice. This includes but is not limited to, network-based threats, security failure in cryptographic and network protocols, authentication servers, certificates and public-key infrastructures, security provisions in communication protocols and standards, electronic mail security, firewalls and intrusion detection systems.

MCS9398 Introduction to Enterprise Computing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9399
Co-requisite: None
Subject Description: The primary aim of this subject is to equip students with a thorough understanding of the technologies that underlie distributed enterprise systems. The origins of these technologies and the development of container/component models for applications will be explored. The subject will include coverage of remote invocation mechanisms (such as RPC, Java RMI, CORBA, XML/RPC, SOAP, Service Oriented Architectures etc), lifecycle issues (in Java RMI, CORBA, EJB), and supporting services (transactions, automated data persistence, events/ messaging, naming, trading, security, and XML-parsing). Students will complete introductory assignments that provide basic experience in a number of these advanced technologies.

MCS9399 Server Technology

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MCS9213
Co-requisite: None

Subject Description: This subject provides a broad overview of the computing technologies that underlie e-commerce. Technical topics will include: the HTML-markup language and HTTP protocol, client-side scripting with Javascript, CGI programming using Perl, web server configuration (Apache), PHP scripting, Java servlets, Java Server Pages, and a limited introduction to .NET

MMS9201 Multivariate and Vector Calculus

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH201
Subject Description: MMS9201 extends the calculus of one variable to the calculus of more than one variable. Applications are given to maxima and minima, multiple integrals, vector calculus, line, surface and volume integrals, and to geometrical problems.

MMS9202 Differential Equations 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH202
Subject Description: MMS9202 introduces the student to various special functions and differential equations and to techniques (both analytic and numerical) for their solution. Topics covered include exact first order equations, Gamma, Beta and Error functions, Laplace transforms, Fourier series, separation of variables for PDE's, basic numerical techniques, computer packages, and comparative accuracy of numerical techniques.

MMS9203 Linear Algebra

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH203
Subject Description: The study of systems of linear equations is important not only to mathematicians but also to scientists and engineers. Study of these systems is done both theoretically and numerically with geometrical interpretations given. It aims to build on students' knowledge of matrix algebra and vector analysis.

MMS9204 Complex Variables and Group Theory

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH204
Subject Description: MMS9204 is of substantial value to science and other students. The study of Complex Variables extends the calculus of functions of a real variable to functions of a complex variable. Group Theory studies basic algebraic properties common to many mathematical systems and is currently applied in the areas of physics, geology and computer science.

MMS9212 Applied Mathematical Modelling 2

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH212
Subject Description: MMS9212 is a subject in the applied mathematics strand. The subject provides insight into the process of Applied Mathematical Modelling in two important areas, heat transfer and Newtonian mechanics, though the modelling skills will be transferable to other areas. The main mathematical technique used is that of solving ordinary differential equations.

MMS9222 Continuous Mathematics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH222
Subject Description: Continuous Mathematics deals the properties of the real numbers, and especially with convergent sequences and continuous functions on the real numbers. Careful attention to precision in definitions and arguments is an important aspect of the presentation. This mathematics highlights and explains the power and the limitations of calculus. This course will include derivations of the principal theorems of calculus and their applications. The material covered has developed over two centuries and underpins much of modern mathematics and many practical applications.

MMS9231 Probability and Random Variables

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: STAT231 and STAT291
Subject Description: MMS9231 applies statistical tools to the modelling and analysis of random experiments. Includes graphical and numerical data presentation; statistical computing; discrete random variables (binomial, geometric, hypergeometric and Poisson) and continuous random variables (uniform, Normal and gamma); expected values; transformations; moment generating functions; multivariate distributions; the Poisson process.

MMS9232 Estimation and Hypothesis Testing

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: STAT232
Subject Description: MMS9232 develops techniques of statistical inference and statistical analysis. The inference techniques are sampling distributions (such as chi-squared, t and F distributions), methods and criteria of estimation, and hypothesis testing. The analysis techniques are nonparametric testing (such as the sign, median and Wilcoxon tests), simple linear regression and one and two-way analysis of variance.

MMS9302 Differential Equations 3

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH302
Subject Description: Many physical problems in the world are modelled with differential equations. This subject extends the knowledge of the student to various types of equations and to their solution. Techniques used widely in many areas of physical science are developed in this subject. Topics include Laplace and Fourier transforms, series

solutions, and Hypergeometric and Bessel functions.

MMS9305 Partial Differential Equations

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH305
Subject Description: This subject is in a central area of mathematics, as many physical problems in the world are modelled with partial differential equations. Various types of equations and their solutions are discussed. As many equations cannot be solved in analytical form, numerical methods of solution also are considered. The aim is to develop high level mathematical ability and problem solving skills.

MMS9312 Applied Mathematical Modelling 3

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH312
Subject Description: MMS9312 shows how to undertake mathematical modelling of many scientific and engineering processes and problems arising in industry. Main foci are: continuum mechanics, including deformation of materials; linear elasticity, including basic concepts of the stress-strain relation; and fluid mechanics.

MMS9313 Industrial Mathematical Modelling

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH313
Subject Description: MMS9313 is designed to develop mathematical modelling skills by the examination of case studies relevant to industry. The basic equations are derived from first principles and used to study the transfer of mass and heat, diffusion, solidification and combustion. In addition, the subject aims to improve oral presentation skills by making tutorial participation an assessable component of the subject.

MMS9322 Algebra

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH322
Subject Description: MMS9322 has been designed to develop clear and critical understanding, problem-solving skills and a capacity for rigorous argument. It builds on the group theory section of MMS9204, and to a lesser extent upon the finite mathematics section of MMS9222. An aim is to develop an appreciation of some of the concepts of modern algebra, including the work leading to the classification of finite simple groups completed around 1980.

MMS9323 Topology and Chaos

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH323
Subject Description: MMS9323 aims to develop critical understanding and problem-solving skills in the context of topology and chaos theory. It is intended to convey some of the impact of chaos theory in other areas and encourage interest of the student in phenomena such as the Koch curve. Some concepts discussed are notions of distance, dynamical systems, fractals and the Mandelbrot set.

MMS9324 Calculus of Variations and Geometry

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH324
Subject Description: This subject is about classical calculus of variations and geometric analysis of curves and surfaces. These areas and the links between them are central to much modern mathematical analysis and also find diverse applications in engineering, physics and biology. This subject builds on students' knowledge of calculus and linear algebra to represent curves and surfaces and their properties, particularly their curvature, analytically, and to develop several important and widely applicable tools for optimisation of energies in various contexts.

MMS9325 Wavelets

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH325
Subject Description: The theory of wavelets is a branch of mathematical analysis which has developed rapidly over the last 15 years. Wavelets are widely and increasingly important in applications, and at the same time their study permits an accessible introduction to some of the key ideas of modern mathematical analysis. Major topics covered include inner product spaces and the notion of convergence in inner product spaces, Hilbert spaces and Fourier series in Hilbert spaces, the Haar wavelet, and techniques for the construction and analysis of wavelets in general.

MMS9335 Sample Surveys and Experimental Design

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: STAT335, STAT355, STAT955
Subject Description: MMS9335 develops skills in designing and analysing statistical investigations. Statistical computing is an essential part of the course. Topics covered: Experimental designs (completely randomised, randomised complete block, Latin Square, factorial); the analysis of the data arising from these designs; steps in conducting a sample survey; methods such as simple random sampling and stratified sampling, number raised and ratio estimation.

MTH9302 Differential Equations 3

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH302
Subject Description: Many physical problems in the world are modelled with differential equations. This subject extends the knowledge of the student to various types of equations and to their solution. Techniques used widely in many areas of physical science are developed in this subject. Topics include Laplace and Fourier transforms, series

solutions, and Hypergeometric and Bessel functions.

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Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: MATH305
Subject Description: This subject is in a central area of mathematics, as many physical problems in the world are modelled with partial differential equations. Various types of equations and their solutions are discussed. As many equations cannot be solved in analytical form, numerical methods of solution also are considered. The aim is to develop high level mathematical ability and problem solving skills.

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MTH9329 Medical Mathematics and Applications

Not on offer in 2012
Credit Points: 6
Pre-requisites: MATH202
Co-requisite: None
Subject Description: This subject promotes the application of mathematical modelling to medicine and related biomedical sciences such as Biochemistry, Drug Delivery, Epidemiology, Forensic Science, Genetics, Neurophysiology and Pharmacokinetics. The subject develops and uses mathematical techniques and computational tools to answer problems that arise in these areas. This will give students insight into how the medical and biomedical sciences can make use of mathematical modelling.

MTS9100 Systems Analysis

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to introduce the student to the techniques and technologies of structured systems analysis. It examines the complementary roles of systems analysts, clients and users in life cycle development methods. Data flow analysis and process descriptions are introduced and the relation to object orientation examined.

The student will make use of a Computer Aided Software Engineering (CASE) tool to document solutions to typical problems.

MTS9105 Communications and Networks

Autumn Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will introduce the concept of networks and the Internet. Topics covered include: different types of data and the history of data communications; signals, modulation and multiplexing; switching technologies and routing; network architectures: LANS, WANs and the Internet; Internet services, multimedia services, broadband services and Internet protocols; emerging technologies: optical and wireless networks.

MTS9111 Programming Concepts

Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The broad aim of this subject is to develop in students an understanding of the fundamental principles of programming as well as to develop skills in the design and implementation of well structured algorithms to a range of classical, business computing problems.

MTS9112 Database

Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to provide a concise and modern treatment of introductory database topics that are useful for information systems professionals. The goal of this subject is to learn the fundamental database concepts including conceptual data modelling, the relational data model and relational algebra and develop skills in the design and manipulation of relational databases using Structured Query Language (SQL). The subject will also briefly introduce advanced database concepts and emerging database technologies.

MTS9114 Object Oriented Programming

Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: MTS9111
Co-requisite: None
Subject Description: The aims of this subject are to consolidate and extend student's knowledge and skills in structured programming and to introduce them to the concepts and practice of object oriented programming. To achieve this aim the subject will provide students with an opportunity to develop further programming skills and good coding style; develop skills in using the object-oriented concepts of inheritance, encapsulation, construction, access control, overloading and messaging; develop and display competency in the design and implementation of object-oriented programs to solve business problems.

MTS9201 Information and Communication Security

Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides students with a real-world approach to Information and Communication Security Issues. Both managerial and technical aspects are addressed. The subject will cover the need for security, professional and regulatory considerations, security technology, physical security, information security, and personnel issues. Students will be required to engage in problem solving activities that apply the principles learned in the subject, and will also be required to acquire knowledge of current practice and technologies.

MTS9204 Principles of eBusiness

Autumn Wollongong On Campus

Credit Points: 6
Pre-requisites: 6cp of 900 level ISIT OR 6cp of 100 level MTS9
Co-requisite: None
Exclusions: IACT304
Subject Description: This subject aims to provide students with an understanding of eBusiness fundamentals. Today most businesses compete in a global environment and a sound strategy for online business is essential to facilitate this. This subject covers key areas of eBusiness, including: business-to-consumer, business-to-business and business-to-government electronic commerce (EC); online business models and electronic payment systems (EPS) and EC technology basics. Standards, regulation and policy, security and social and economic issues will also be considered in the contexts of business Intranets, Extranets and the Internet. The subject also provides an introduction to the 'Patterns for eBusiness' approach to eBusiness analysis and design.

MTS9206 Web Technologies

Autumn Wollongong On Campus

Credit Points: 6
Pre-requisites: MTS9111
Co-requisite: None
Exclusions: MCS9110
Subject Description: This subject introduces students to fundamental web technologies such as HTTP, markup languages, XML,and client-side scripting. The subject teaches students how to use some of these technologies to develop static and dynamic web pages with an emphasis on client-side scripts. The subject explains the differences between client-side and server-side Web development, and shows students how to build simple applications using scripting and other tools. The subject also covers current Web "standards" and future W3C recommendations.

MTS9207 Web Programming I

Spring Wollongong On Campus

Credit Points: 6
Pre-requisites: MTS9114
Co-requisite: None
Subject Description: The aim of this subject is to introduce students to User Interface (UI) elements in general and Web Forms in particular. The subject covers user-interface constructs, client- and server-side scripts as well as the architecture of the .NET framework and web services. The subject also covers the object oriented features of web programming in general and the concept of dynamically generated classes from web forms and their web controls in particular. Form processing, the interaction of web applications through SOAP (Simple Object Model) protocol, page class events, and the debugging of Web applications are discussed

MTS9208 Strategic Systems Management

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: BUSS308
Subject Description: Students will be introduced to the processes involved in managing information systems in the contemporary business environment. Students will gain an appreciation of the issues surrounding the strategy and planning of information systems; the strategic, tactical and operational roles of the Chief Information Officer (CIO); the alignment between information systems and business; policy and practice; technology diffusion; operational management; major trends impacting information systems management and how to asses the value of information systems.

MTS9212 Corporate Network Planning and Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
Co-requisite: None
Subject Description: The systematic design of networks includes requirements gathering, requirements analysis, the development of logical design and the conversion of the logical design to a physical design. The use of architectures will provide students with a high level framework that consists of addressing and routing, performance characteristics, security and network management. The subject will teach students to relate this framework to basic data communication techniques developed in previous subjects as well extend their knowledge of addressing and routing and performance characteristics.

MTS9218 Systems Design and Human Computer Interaction

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 900 level ISIT OR 6cp of 100 level MTS9
Co-requisite: None
Subject Description: This subject extends systems analysis and introduces the student to the techniques and technologies of structured systems design and object oriented systems design in the post-analysis stages of the Systems Development Life Cycle. It examines the complementary roles of systems analysts, designers, clients and users in traditional Systems Development Life Cycle and Object Oriented development methods. Process and Object methods and models are extended to cover systems design and implementation. Program design is placed in the context of systems design. The student will make use of a Computer Aided Software Engineering (CASE) tool to document design solutions to typical problems.

MTS9301 Professional Practice & Ethics

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
Co-requisite: None
Subject Description: This subject covers the body of ideas and commonly held principles that broadly apply to ethical behaviour in the information technology environment. IACT201 will examine the social and ethical implications of information technologies as they apply to citizens and information technology professionals. It will present legal, regulatory, social and ethical perspectives on the use of such technologies through topics of intellectual property, privacy, networking, security, reliability. The inclusion of a professional ethics is to prepare students for careers in the information technology industry. The extent to which technological advancements have altered societal expectations is also examined.

MTS9302 Corporate Network Management

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 100 level MTS9
Co-requisite: None
Subject Description: This subject presents the operational, tactical and strategic issues involved in corporate network management (NM). The subject will introduce a number of NM models e.g. FCAPS, OAMP etc., and use one of these models to systematically cover the management of: physical components, staff in a network centre, network configuration, user accounts, network performance, security, faults and disasters. The subject also covers concepts such as NM protocols, service level agreements, network integration and the impact of government regulations on NM. These concepts will be reinforced by a series of hands on exercises including using basic network management tools.

MTS9306 Strategic eBusiness Solutions

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 900 level ISIT OR 6cp of 100 level MTS9
Co-requisite: None
Subject Description: This subject aims to provide students with an understanding of how to design integrated solutions for eBusiness using a pattern-oriented approach. Enterprises, both large and small, as well as government institutions, are increasingly becoming reliant upon eBusiness infrastructure. Knowing the strategic business and technology principles and practices related to the design process is becoming increasingly important for a given organisation. This subject will cover business scenarios including electronic data interchange (EDI), supply chain management (SCM), enterprise application integration (EAI), customer relationship management (CRM), sales force automation (SFA); and knowledge management systems (KM).

MTS9307 Web Programming II

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: MTS9207
Co-requisite: None
Subject Description: The subject aims to integrate the previous knowledge which students have gained through subjects on web technologies, web programming and databases to create real-world web applications like shopping carts or advanced form processing systems etc. It also introduces students to open-source programming languages in web development so that they can inexpensively develop sophisticated web applications. Students will become familiar with the integration of programming, databases, web-applications, and structural and object oriented programming.

MTS9311 Database Management Systems

Autumn Wollongong On Campus
Credit Points: 6

Pre-requisites: MTS9112 OR 6cp of 900 level ISIT
Co-requisite: None
Subject Description: This subject covers advanced database topics including but not limited to: business intelligence and analytical processing; scorecards and dashboards; data quality and managing data change; data warehousing and data mining; data analysis and data integration; time series data; and the use of data across the Web. Discussion and hands on exercises related to these topics will equip students to meet the challenges in database management and the use and development of advanced database applications. Students will be presented with opportunities to do hands-on work with appropriate commercial tools.

MTS9315 Web Modelling
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: MTS9206 or MTS9207
Co-requisite: None
Subject Description: The subject explores current and future web modelling technologies and the design, development and management of web-based systems. The appropriate application environments, knowledge acquisition and representation schemes are examined along with their relationship to contemporary web-based systems.

MTS9318 Information Systems Project
Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: 6cp of 900 level ISIT OR 6cp of 100 level MTS9
Co-requisite: None
Subject Description: This subject aims to provide students with: practical experience in the principles and techniques of project management; experience in the design of a real world project involving IS techniques; and practical experience in team work and project management skill development.

MTS9332 Business Process Management
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 6cp of 900 level ISIT OR 6cp of 100 level MTS9
Co-requisite: None
Subject Description: Business process management (BPM) combines a process-centric and cross-functional approach to improving how organizations achieve their business goals. A BPM solution makes use of IT to model, automate, manage and optimize business processes to increase productivity. Within this subject students learn important process-centric issues in business system design and implementation. Focus will be placed on both business and technical perspectives of BPM. Topics covered include: Basic business process concepts; Business process modelling; Business process outsourcing; Business process re-engineering; Business process improvement; Workflow and business process automation; Business process management and service-oriented architecture

MTS9351 Information Technology Project
Annual Wollongong On Campus
Credit Points: 12
Pre-requisites: 6cp of 900 level ISIT OR 6cp of 100 level MTS9
Co-requisite: None
Subject Description: This subject is a group project, conducted under the supervision of an academic staff member(s). Staff members will propose real-world IT projects ranging from the selection and implementation of IT to the development and implementation of software systems. Involves: project planning, group coordination, seminars and individual presentations, research of proposed application domain, preparation of reports and, depending on the project, various system development methodologies. Students will form teams, each of which will design, implement and document a solution to one of the proposed projects. Teams will meet weekly with supervisors to discuss progress and problems.

SHS 940 Statistics in Health Research
Spring Wollongong On Campus
Spring Wollongong Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: GHMD983
Subject Description: Introduces basic statistical concepts and methods. Topics covered: collecting data, designing statistical studies, principles of data presentation; exploratory data analysis, probability and statistical models emphasising binomial and normal distributions; categorical data, contingency tables and the Chi-squared distribution; sampling, sample means and the central limit theorem; inference - point estimation, confidence intervals, testing hypotheses; inference about single parameters; comparing means and proportions, analysis of variance, demography.

STAT901 Modern Inference
Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Introduction to the use of a statistical software package; bootstrap methods; Monte-Carlo methods; permutation tests; nonparametric regression; the sign, Kruskal-Wallis and Spearman tests and extensions of them; ties.

STAT902 Advanced Data Analysis
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: Survey methods - survey development; Cluster and multi-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
Autumn Wollongong On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Prediction theory; Linear models: identification, estimation, diagnostic checking; Multivariate models.

STAT906 Experimental Design

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: STAT920 covers necessary probabilistic concepts and models such as linear stochastic models, nonlinear stochastic models and nonlinear chaotic models used in finance. Topics discussed in this subject also include martingale methods, stochastic processes, optimal stopping, the modeling of uncertainty using a Wiener process, Ito's formula as a tool of stochastic calculus, fundamentals of stochastic differential equations and the applications of these methods to finance.

STAT921 Linear and Generalised Linear Models

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: STAT332
Subject Description: This unit considers how to investigate relationships between variables arising from observational studies and designed experiments. Topics include: Model fitting as an approach to statistical analysis; Exponential family of distributions; Maximum likelihood estimation; Inference methods based on model fitting; Models for multiple linear regression, estimation and analysis, diagnostics and model selection; Generalised linear models for categorical data: logistic regression for nominal and ordinal data, Poisson regression and log-linear models; Additive models.

STAT922 Statistical Inference

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: STAT333
Subject Description: This unit considers how to make inferences about unknown quantities from observed data Topics covered include: Estimation methods (maximum likelihood and minimum variance unbiased estimation); Hypothesis Testing, likelihood ratio, score and Wald tests; Evaluating tests; Monte Carlo Simulation methods for inference; Randomisation tests; Monte Carlo Markov Chain; Jackknife methods; Bootstrap methods.

STAT923 Applied Probability and Financial Risk

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: STAT304
Subject Description: This subject develops the stochastic models required for decision making under uncertainty in finance, economics and actuarial statistics. Stochastic models include processes in both discrete time (random walk, Markov chains) and continuous time (birth and death processes, Gaussian processes). The applications focus on the measurement, management and control of risk and its consequences. Particular topics include gambler's ruin, log-normal price models, Value at Risk (VaR) measures and Markowitz portfolio selection.

STAT943 Statistical Quality Control 2

Not on offer in 2012
Credit Points: 6
Pre-requisites: MATH188
Co-requisite: None
Subject Description:

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-requisite: 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-requisite: 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-requisite: None
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Statistics.

STAT981 Advanced Topics in Statistics A
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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
Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Current research interests of staff of the School of Mathematics and Applied Statistics and visitors to the School.

STAT990 Minor Project
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description:

STAT991 Project
Annual Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description:

RESH900 Fundamentals for HDR Writing
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description:

RESH901 Fundamentals for HDR Writing
Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 0
Pre-requisites: None
Co-requisite: None
Subject Description:

Faculty of Law

Courses Offered

Research Degrees

Doctor of Philosophy *(see page 321)*
Master of Laws - Research *(see page 322)*
Master of Maritime Studies - Research *(see page 322)*

Coursework Degrees

Graduate Certificate in Integrity Studies *(see page 323)*
Graduate Certificate in Law (Criminal Prosecutions) *(see page 324)*
Graduate Certificate in Maritime Studies *(see page 325)*
Graduate Certificate in Transnational Crime Prevention *(see page 325)*
Graduate Diploma in Legal Practice *(see page 326)*
Master of Arts (Integrity Studies) *(see page 327)*
Master of Arts (Transnational Crime Prevention) *(see page 328)*
Master of Fisheries Policy *(see page 329)*
Master of Laws (Criminal Prosecutions) *(see page 329)*
Master of Maritime Policy *(see page 330)*
Master of Maritime Studies *(see page 331)*

Other Information

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

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Law
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	48 per annum
Delivery Mode:	Supervised individual research
Location:	Wollongong
UOW Course Code:	201
CRICOS Code:	028400J

Overview

Doctor of Philosophy (PhD) candidates undertake in-depth research in order to make an original contribution to the body of knowledge in law.

Entry Requirements / Assumed Knowledge

Candidates should have an undergraduate degree from a recognised institution with Honours Class II, Division 2 or above. Candidates who do not possess such a degree may be permitted to demonstrate capacity for research, for example by first completing a Special Research Paper in Law, and should contact the Faculty of Law's Associate Dean (Research).

Course Requirements

Candidates are required to satisfactorily complete a major thesis to the value of 48 credit points per annum.

Course Program

Subjects		Credit Points
THES924	Major Thesis - full-time students	48 per annum
THES912	Major Thesis - part-time students	24 per annum

Current Research Areas

- Anti-discrimination law
- Company law
- Comparative law
- Conflict of laws
- Constitutional law
- Counter-terrorism law
- Criminal law
- Cross-cultural legal issues
- Environmental and planning law
- Family 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 of the sea
- Law society and culture
- Maritime Policy
- Maritime security
- Transnational crime

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Master of Laws - Research

Testamur Title:	Master of Laws – Research
Abbreviation:	MLaws-Res
Home Faculty:	Law
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1311
CRICOS Code:	042525A

Overview

This research program is designed for candidates to complete a thesis in relation to a discipline of Law.

Entry Requirements / Assumed Knowledge

Candidates should have an undergraduate degree in Law from a recognised institution or recognised overseas equivalent.

Credit Transfer

Candidates may be exempt from LAW993 Research Project (Minor Thesis) if they have completed a substantial piece of written research as part of their Honours Law Degree at undergraduate level.

Course Requirements

Candidates are required to satisfactorily complete a 48 credit point research thesis plus 24 credit points of coursework prior to completion of the thesis.

Course Program

Subjects		**Credit Points**
LAW 993	Research Project (Minor Thesis)	8
LAW 994	Research Proposal	8
Plus one 8 credit point subject relevant to the particular needs of the student, chosen from the following:		
LLB9337	Comparative Studies in Law	8
LLB9100	Introduction to Legal Systems	8
Plus 48 credit points in one of the following subjects depending on whether studying part-time or full-time:		
THES924	Major Thesis - full-time students	48
THES912	Major Thesis - part-time students	48

Current Research Areas

Refer to the listing under the Doctor of Philosophy entry.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au;

Master of Maritime Studies - Research

Testamur Title:	Master of Maritime Studies - Research
Abbreviation:	MMaritimeStud - Res
Home Faculty:	Law
Starting Session(s):	Autumn/Spring
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Campus:	Wollongong
UOW Course Code:	1320
CRICOS Code:	045472G

Overview

The course is a research degree with a specialisation in Maritime Studies.

Entry Requirements / Assumed Knowledge

Candidates should have an undergraduate degree in any discipline from a recognised institution or recognised overseas equivalent; or a University of Wollongong Graduate Certificate in Maritime Studies; or relevant professional experience.

Credit Transfer

Candidates may be exempt from all or part of the coursework requirement depending on their research, academic and/or professional experience.

Course Requirements

Candidates are required to satisfactorily complete a 48 credit point research thesis plus 24 credit points of coursework prior to completion of the thesis.

Course Program

Subjects		Credit Points
CMP 911	Research Project in Maritime Studies	8
Plus two 8 credit point subjects relevant to the particular needs of the student chosen from the Master of Maritime Studies coursework schedule, or other subjects approved by the Course Coordinator.		
Plus 48 credit points in one of the following subjects depending on whether you are part-time or full-time:		
THES924	Major Thesis - full-time students	48
THES912	Major Thesis - part-time students	48

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Graduate Certificate in Integrity Studies

Testamur Title:	Graduate Certificate in Integrity Studies
Abbreviation:	GradCertIntegStud
Home Faculty:	Law
Duration:	1 year or 12 months
Total Credit Points:	24
Delivery mode:	Flexible Delivery
Starting Session(s):	Autumn/Spring/Summer
Location:	Innovation Campus (Wollongong)
UOW Course Code:	1187
CRICOS Code:	N/A

Overview

The Graduate Certificate in Integrity Studies is designed to recognise the growing importance of anti corruption and oversight as a strategy within transnational crime prevention. The course has been designed to fill a gap between Ethics and Police/Legal studies.

Entry Requirements / Assumed Knowledge

Students should have some professional background or knowledge in the anti corruption/integrity assurance sector, or a relevant undergraduate qualification.

Course Requirements

Students are required to satisfactorily complete 24 credit points from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
LEGL914	Ethics and Integrity in the Public Sector	8
LEGL915	Understanding Corruption and Misconduct	8
LEGL916	Corruption Prevention and Integrity Assurance	8

Credit Arrangements

It is proposed that this course will articulate into a Masters degree offered through CTCP (subject to approval).

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Graduate Certificate in Law (Criminal Prosecutions)

Testamur Title:	Graduate Certificate in Law (Criminal Prosecutions)*
Abbreviation:	GCertLaw (Crim Pros)
Home Faculty:	Law
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery mode:	On campus (Face-to-face and flexible)
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	1159
CRICOS Code:	N/A

* Spring Session 2009 name changed to Graduate Certificate in Law (Criminal Prosecutions) from Graduate Certificate in Law (Prosecutions).

Overview

This program is designed specifically to address the educational needs of those with a special knowledge of or interest in prosecutorial practice. It draws on and extends the Faculty's existing expertise in the areas of professional legal training and transnational crime prevention to provide a theoretical and applied basis for meeting the educational needs of those involved in prosecutions.

Entry Requirements / Assumed Knowledge

Students should have a degree in Law from a recognised institution or recognised overseas equivalent, or be admitted to practice as a barrister or solicitor.

English language requirements:

a) IELTS overall band 7.0 or

b) IELTS overall band 6.0 with attendance in either ELL901 Effective Spoken Communication for Postgraduate Studies in Spring Session or ELL903 Effective Written Communication for Postgraduate Studies in Autumn Session.

Credit Transfer

The Graduate Certificate in Law (Criminal Prosecutions) fully articulates into the Master of Laws (Criminal Prosecutions) which can be completed by undertaking two electives and a research project of 12 credit points from the Master of Laws Course Program. Refer to http://www.uow.edu.au/handbook/generalcourserules/UOW058680.html

Course Requirements

Students are required to satisfactorily complete 24 credit points from the subjects listed in the Course Program.

Subjects		Credit Points
LWPD900	Prosecutorial Practice*	6
LWPD901	Applied Criminal Law*	6
LWPD902	Advanced Criminal Evidence*	6
LWPD909	Studies in Transnational Crime and Transnational Criminal Law	6
LWPD912	Prosecuting International Humanitarian Law	6
LWPD914	Comparative Criminal Justice	6
LWPD915	Criminal Appellate Advocacy	6
LWPD916	Prosecuting Transnational Economic and Cyber Crime	6
LWPD919	Special Studies in Prosecutions	6
LWPD925	DNA for Lawyers	6
LWPD926	Experts and their Evidence*	6
LWPD999	International Criminal Jurisdiction	6

* Students enrolled at Wollongong must complete these subjects.

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Graduate Certificate in Maritime Studies

Testamur Title:	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):	Not on offer in 2012
Location:	Australian Defence College, Canberra
UOW Course Code:	1139
CRICOS Code:	N/A

Overview

This program is designed to meet the professional education requirements of the Royal Australian Navy.

Entry Requirements / Assumed Knowledge

The program is open to Officers of the Royal Australian Navy and their civilian equivalents in the Department of Defence who possess an undergraduate degree or its equivalent and/or satisfy the entry requirements of the Navy for entry to the Command and Staff College.

Course Requirements

Students are required to satisfactorily complete 32 credit points from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
CMP 901	Strategy and Sea Power	8
CMP 902	Law of the Sea	8
CMP 905	Legal Regulation of Shipping	8
CMP 908	Contemporary Maritime Issues in the Asia-Pacific Region	8

Credit Towards Other Courses

Students who have successfully completed this program may articulate into the Master of Maritime Studies.

Professional Recognition

This course meets the professional education requirements of the Royal Australian Navy.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Graduate Certificate in Transnational Crime Prevention

Testamur Title:	Graduate Certificate in Transnational Crime Prevention
Abbreviation:	GCertTransCrimePrev
Home Faculty:	Law
Duration:	6 months full-time or part-time equivalent
Total Credit Points:	24
Delivery mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Innovation Campus (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 6.5 with a minimum of 6.5 in both reading and writing, 6.0 in listening and speaking.

Course Requirements

Students are required to satisfactorily complete 24 credit points from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
LEGL929	Transnational Crime Prevention*	6
LEGL952	Cyber Crime	6
LEGL954	International Corporate Crime	6
LEGL955	Issues in Comparative Criminal Justice	6
LEGL957	Security Intelligence and Policy	6
LEGL958	Studies in International Criminal Law	6
LEGL959	International Cooperation and Transnational Crime	6
LEGL960	Understanding Transnational Crime*	6
LEGL962	Special Studies in Transnational Crime	6
LEGL963	Terrorism and Counter Terrorism	6
LEGL964	Transnational Financial Crime	6

*These subjects are compulsory for students who intend to enrol in the Master of Transnational Crime Prevention.

Credit Towards Other Courses

Students who successfully complete this program are guaranteed entry into the Master of Transnational Crime Prevention.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au;

Graduate Diploma in Legal Practice

Testamur Title:	Graduate Diploma in Legal Practice
Abbreviation:	GDipLegPrac
Home Faculty:	Law
Duration:	20 weeks full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face with online) and Flexible
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	637
CRICOS Code:	030380A

Overview

This course provides law graduates with the opportunity to complete, through a flexible learning delivery mode, the admission requirements to practise as a lawyer in New South Wales, Australia.

Entry Requirements / Assumed Knowledge

Students should have a University of Wollongong LLB degree, a Diploma in Law from the Legal Profession Admission Board or a law degree from an accredited tertiary institution, including the successful completion (pass level) of the equivalent of the University's skills training and legal profession studies subjects (ie, skills training in drafting, communication, advocacy and dispute management and professional responsibility/ethics).

However, students who have not completed equivalent skills 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 Graduate Diploma in Legal Practice.

Course Program

Subjects		Credit Points
LLB 843	Professional Practice or	8
LLB 847	Professional Experience*	0
LLB 844	Practice Management	8
LLB 845	Conducting Litigation	16
LLB 846	Commercial and Property Practice	16

*Students who have completed the subject LLB396 Professional Practice as part of the LLB at UOW are required to enrol in LLB847.

Professional Recognition

The Legal Profession Admission Board recognises this course for graduates applying for admission as legal practitioners in New South Wales.

Other Information

International law graduates should first contact the Legal Profession Admission Board for directions as to what requirements they must meet in order to qualify for admission in New South Wales. They may be required to complete some additional law studies and it is usual to complete these before commencing the practical legal training requirements.

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Master of Arts (Integrity Studies)

Testamur Title:	Master of Arts (Integrity Studies)
Abbreviation:	MA(IntegStud)
Home Faculty:	Law
Duration:	1 year or 12 months
Total Credit Points:	48
Delivery mode:	Flexible Delivery
Starting Session(s):	Autumn/Spring
Location:	Innovation Campus (Wollongong)
UOW Course Code:	1635
CRICOS Code:	N/A

Overview

The Master of Arts with a major in Integrity Studies was designed in response to the growing importance of anti corruption and oversight as vital aspects of the delivery of public services with integrity. The course requires that students undertake three subjects, in addition to the three subjects comprising the Graduate certificate in Integrity Studies (24 credit points), including a research project subject. The two substantive subjects provide advanced coursework education whilst the research subject aims to improve the research, analytical, and writing skills of students for scholarly projects in surrounding, contemporary and emerging issues in the integrity/anti-corruption field.

Entry Requirements / Assumed Knowledge

Students should have some professional background or knowledge in the anti corruption/integrity assurance sector, or a relevant undergraduate qualification.

Course Requirements

Students are required to satisfactorily complete 48 credit points from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
LEGL914	Ethics and Integrity in the Public Sector	8
LEGL915	Understanding Corruption and Misconduct	8
LEGL916	Corruption Prevention and Integrity Assurance	8
LEGL917	Current Issues in Integrity Governance	8
LEGL918	Special Powers and Investigation Methods	8
LEGL919	Integrity Studies Research Project	8

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Master of Arts (Transnational Crime Prevention)

Testamur Title:	Master of Arts (Transnational Crime Prevention)
Abbreviation:	MA(TransCrimePrev)
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Innovation Campus (Wollongong)
UOW Course Code:	1516
CRICOS Code:	037086F

Overview

This program is designed for students from law enforcement agencies and the private sector, including police, customs, anti-corruption, immigration, banking, finance, accounting and other institutions from Australia, the Asia-Pacific region and beyond.

Entry Requirements / Assumed Knowledge

Students should be graduates or have extensive relevant experience at a high level.

English language requirements:

IELTS overall band 6.5 with a minimum of 6.5 in both reading and writing, 6.0 in listening and speaking.

Credit Transfer

Students successfully completing the Graduate Certificate in Transnational Crime Prevention have the option to articulate into this course.

Course Requirements

Students are required to satisfactorily complete 48 credit points from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Core Subjects		
LEGL929	Transnational Crime Prevention	6
LEGL960	Understanding Transnational Crime	6
Elective Subjects		
LEGL952	Cyber Crime	6
LEGL954	International Corporate Crime	6
LEGL955	Issues in Comparative Criminal Justice	6
LEGL956	Major Research Project	12
LEGL957	Security Intelligence and Policy	6
LEGL958	Studies in International Criminal Law	6
LEGL959	International Cooperation and Transnational Crime	6
LEGL960	Understanding Transnational Crime	6
LEGL961	Minor Research Project	6
LEGL962	Special Studies in Terrorism and Counter Terrorism	6
LEGL963	Terrorism and Counter Terrorism	6
LEGL964	Transnational Financial Crime	6

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Master of Fisheries Policy

Testamur Title:	Master of Fisheries Policy
Abbreviation:	MFishPol
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Delivery mode:	On campus (Face-to-face)
Total Credit Points:	48
Starting Session(s):	Autumn/Spring
Location:	Innovation Campus (Wollongong)
UOW Course Code:	1621
CRICOS Code:	068542G

Overview

The Master of Fisheries Policy programme is designed for fisheries and environmental policy officers, mid-level managers and enforcement officers from governments, and regional and international organisations. The degree covers international, regional and national frameworks for sustainable fisheries management and provides knowledge and skills necessary for the management of fisheries and aquatic resources.

Entry Requirements / Assumed Knowledge

Students should have an undergraduate degree or equivalent or an appropriate professional background.

Course Requirements

Students are required to satisfactorily complete 48 credit points, comprising subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Prescribed Subjects		
CMP 902	Law of the Sea	8
CMP 914	International Fisheries Law	8
CMP 915	Fisheries Management	8
CMP 916	Fisheries and Development	8
CMP 917	Integrated Monitoring, Control and Surveillance	8
CMP 918	International Fish Trade	8

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Master of Laws (Criminal Prosecutions)

Testamur Title:	Master of Laws (Criminal Prosecutions)
Abbreviation:	MLaws (CrimPros)
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Delivery mode:	On campus (Face-to-face)
Total Credit Points:	48
Starting Session(s):	Autumn/Spring
Location:	Wollongong
UOW Course Code:	584
CRICOS Code:	067078B

Overview

This program offers the only post graduate qualification in law in Australia specialising in criminal prosecutions. It draws on and extends the Faculty of Law's expertise in the areas of professional legal training and transnational crime prevention to provide a theoretical and applied basis for meeting the educational needs of those involved in, or wishing to become involved in, criminal prosecutions. Whilst emphasising the knowledge, art and practice of ethical, skilful and responsible prosecuting, the program has equal relevance to those involved in criminal defence work.

Entry Requirements / Assumed Knowledge

Law degree or recognised qualification for admission to legal practice

English language requirements:

a) IELTS overall band 7.0 or

b) IELTS overall band 6.0 with attendance in either ELL901 Effective Spoken Communication for Postgraduate Studies in Spring Session or ELL903 Effective Written Communication for Postgraduate Studies in Autumn Session.

Credit Arrangement

Students completing the Graduate Certificate (Criminal Prosecutions) can articulate in to the Masters degree with an additional 12 credit point Research Project and an additional two elective subjects (12 credit points) from the subjects listed in the Course Program.

Course Requirements

Students are required to satisfactorily complete 48 credit points, comprising 36 credit points of prescribed subjects and two elective subjects (12 credit points) from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Prescribed Subjects		
LWPD900	Prosecutorial Practice	6
LWPD901	Applied Criminal Law	6
LWPD902	Advanced Criminal Evidence	6
LWPD926	Experts & Their Evidence	6
LWPD920	Prosecutions Research Project	12
Elective Subjects		
LWPD909	Studies in Transnational Crime and Transnational Criminal Law	6
LWPD912	Prosecuting International Humanitarian Law	6
LWPD914	Comparative Criminal Justice	6
LWPD916	Prosecuting Transnational Economic and Cyber Crime	6
LWPD928	Criminal Trial and Appellate Advocacy	6
LWPD999	International Criminal Jurisdiction	6

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Master of Maritime Policy

Testamur Title:	Master of Maritime Policy
Abbreviation:	MMaritimePol
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery mode:	On campus (Face-to-face)
Starting Session(s):	Autumn/Spring
Location:	Innovation Campus (Wollongong)
UOW Course Code:	1543
CRICOS Code:	017740B

Overview

The program is designed to meet the professional development requirements of those working in marine fields, such as navies, relevant government departments and agencies, NGOs and the private sector, or those who intend to pursue a career in a maritime or related field.

Entry Requirements / Assumed Knowledge

Students should have an undergraduate degree or equivalent or an appropriate professional background.

Course Requirements

Students are required to satisfactorily complete 48 credit points, comprising 16 credit points of prescribed subjects and 32 credit points of elective subjects, from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Prescribed Subjects		
CMP 902	Law of the Sea	8
CMP 906	Comparative Oceans Policy	8
Elective Subjects		
CMP 901	Strategy and Sea Power	8
CMP 904	Maritime Regulation and Enforcement	8
CMP 905	Legal Regulation of Shipping	8
CMP 907	Maritime Security Law and Policy	8
CMP 908	Contemporary Maritime Issues in the Asia-Pacific Region	8
CMP 909	International Marine Environmental Law	8
CMP 910	Selected Topic in Maritime Studies	8
CMP 911	Research Project in Maritime Studies	8
CMP 912	Minor Thesis in Maritime Studies	16
CMP 913	Integrated Marine and Coastal Management	8
CMP 914	International Fisheries Law	8
CMP 915	Fisheries Management	8

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

Other Information

Further information is available at http://coursefinder.uow.edu.au/ or email: Faculty of Law: law-enquiries@uow.edu.au

Master of Maritime Studies

Testamur Title:	Master of Maritime Studies
Abbreviation:	MMaritimeStud
Home Faculty:	Law
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Autumn/Spring
Delivery mode:	On campus (Face-to-face) and Distance
Location:	Innovation Campus (Wollongong)
UOW Course Code:	520
CRICOS Code:	042637D

Overview

The program is designed to meet the professional development requirements of those working in marine fields, such as navies, relevant government departments and agencies, NGOs and the private sector, or those who intend to pursue a career in a maritime or related field.

Entry Requirements / Assumed Knowledge

Students should have an undergraduate degree or equivalent or an appropriate professional background.

Credit Transfer

Students who have completed the Graduate Certificate in Maritime Studies may be eligible for 8 credit points of credit transfer in recognition of professional experience or prior learning. Refer to http://www.uow.edu.au/about/policy/UOW058649.html

Course Requirements

Students are required to satisfactorily complete 48 credit points, comprising 16 credit points of prescribed subjects and 32 credit points of elective subjects, from the subjects listed in the Course Program.

Course Program

Subjects		Credit Points
Prescribed Subjects		
CMP 902	Law of the Sea	8
CMP 911	Research Project in Maritime Studies	8
Elective Subjects		
CMP 901	Strategy and Sea Power	8
CMP 904	Maritime Regulation and Enforcement	8
CMP 905	Legal Regulation of Shipping	8
CMP 906	Comparative Oceans Policy	8
CMP 907	Maritime Security Law and Policy	8
CMP 908	Contemporary Maritime Issues in the Asia-Pacific Region	8
CMP 909	International Marine Environmental Law	8
CMP 910	Selected Topic in Maritime Studies	8
CMP 912	Minor Thesis in Maritime Studies	16
CMP 913	Integrated Marine and Coastal Management	8
CMP 914	International Fisheries Law	8
CMP 915	Fisheries Management	8

NOTE: Not all subjects are offered every year. Students are advised to contact the Course Coordinator before enrolling.

Other Information

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FACULTY OF LAW

CMP 901 Strategy and Sea Power

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: The course will cover the following issues: the Mahanian legacy, the great White Fleet, the Gunboat Diplomacy, the Washington Disarmament Conference, Power in the Pacific, the Pacific War, the Cold War and the Nuclear Age, ANZUS and the Radford-Collins Agreement, the Asia-Pacific Regional Context, Lehman and the Forward Maritime Strategy, the New World Order.

CMP 902 Law of the Sea

Autumn Innovation Campus On Campus
Spring Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: 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 Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: The course focuses on the specific enforcement and regulatory powers, and responsibilities of states in the various maritime zones of jurisdiction, i.e. the territorial sea, the EEZ, continental shelf and high seas. Relevant policy and legal considerations in the development and enforcement of maritime jurisdiction will be covered.

CMP 905 Legal Regulation of Shipping

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: 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 Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: 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; principles of ocean governance; Australia's Oceans Policy; ocean policy developments in other parts of the world; and regional cooperation and management of shared ocean space, especially within the Southeast Asia.

CMP 907 Maritime Security Law and Policy

Autumn Innovation Campus On Campus
Spring Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: 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 Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This course deals with the leading maritime issues in the Asia-Pacific region, including: maritime territorial disputes (South China Sea, Taiwan, East China Sea, Kuriles); piracy/sea robbery; archipelagic sea lane passage; military operations in the EEZ; confidence-building; naval cooperation and competition; and maritime terrorism.

CMP 909 International Marine Environmental Law

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: 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 Innovation Campus On Campus
Spring Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: 10,000 word research paper in an approved topic in maritime studies.

CMP 911 Research Project in Maritime Studies

Autumn Innovation Campus On Campus
Spring Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: 10,000 word research paper in an approved topic in maritime studies.

CMP 912 Minor Thesis in Maritime Studies

Autumn Innovation Campus On Campus
Spring Innovation Campus On Campus
Credit Points: 16
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: 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 Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: 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. 7. Domestic and regional measures to combat illegal, unreported and unregulated fishing.

CMP 915 Fisheries Management

Autumn Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: The subject addresses: 1. Fisheries allocation and property rights and stakeholders; 2. Input and output control in fisheries; 3. Fisheries management principles; 4. Fisheries economics.

CMP 916 Fisheries and Development

Autumn Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the interrelationship between science, economics, the environment, trade, law and policy in the management of fisheries resources. It appraises the global nature of fisheries and fishing activities; issues related to the globalization of fisheries; and the challenges facing fisheries management and governance among states, particularly developing states. It demonstrates how important the fisheries sector can be to economic development, and links this to concepts such as human security, interdependence and the development of regional and international forms of governance of transnational fisheries issues.

CMP 917 Integrated Monitoring, Control and Surveillance

Spring Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the role of monitoring, control, and surveillance (MCS) in supporting sustainable fisheries. It looks at the operational and practical aspects of fisheries data collection methods, licensing procedures, enforcement and prosecution. It explores the use of technology in the implementation of fisheries regulations, including a (non-assessed) training component on vessel monitoring systems (VMS) - a particularly important practical element that takes advantage of the unique ANCORS capacity of expertise in vessel trading. The subject also surveys existing regional MCS schemes and further introduces the component of 'compliance' which is not included in the traditional concept of MCS.

CMP 918 International Fish Trade

Spring Innovation Campus On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the international trade of fish and fish products as an important component of sustainable fisheries. It provides an extensive discussion of the interaction between international fisheries law and trade law. Examples of topics to be covered in this subject include: health and sanitary requirements for fish processing and trade; trade of commercially-exploited species under the Convention for the International Trade of Endangered Species of Wild Fauna and Flora (CITES); fisheries subsidies; and World Trade Organisation (WTO) fisheries and environment-related disputes.

LAW 960 Legal Studies For Professionals

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Legal Studies for Professionals is designed for graduate students progressing toward careers in accounting and related professions. Effective participation in the business world requires some understanding of the law and of legal processes. The subject aims to provide a sufficient introduction to law to enable students to identify circumstances in their professional careers in which law is influential in decision-making processes. It does this by introducing students to key areas of the law of relevance to the conduct of business with the intention of enabling students to identify some of the practical implications of the law in the context of achieving business objectives.

LAW 969 Occupational Health and Safety Law

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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. However, the subject will also cover the movement towards a national system of OH&S regulation.

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-requisite: None
Subject Description: The legal framework establishing, controlling and regulating financial institutions, including the Reserve Bank, banks, money market dealers and securities. The law dealing with financial money market instruments, particularly bills of exchange, promissory notes and cheques. Legal basis of the relationship between financial institutions and their clients. The law of securities - nature and types of securities; capacity and authority of borrowers entering transactions; remedies available to secured lenders.

LAW 980 International Business Law

Autumn Wollongong On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: LAW 319 or LLB 319
Subject Description: This subject will contain some selected legal and regulatory framework of international business. Special emphasis will be given to the legal issues related to drafting contracts, and rights and obligations of parties to a business transaction under the current legal regime governing international business. The topics may include: introduction to international and comparative law relevant to international business; formation and interpretation of international contracts for goods and services; transportation of goods; international protection of intellectual property; role of national governments and international organisations in international business; formation, operation and regulation of international business entities; and resolution of international commercial disputes, financing international business transactions, international investment and securities regulation.

LAW 993 Research Essay

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: A supervised research paper of no more than 10,000 words on a subject selected by the student and agreed with a supervisor by week 3 of the session of enrolment.

LAW 994 Legal Research Proposal

Autumn Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: 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-requisite: None
Exclusions: LAW 302 Law of Business Organisations
Subject Description: The subject outlines the key features of the different legal structures which people might adopt for their business and voluntary activities. The legal regulation of two of these, a partnership and a company incorporated under the Corporations Act, are then considered in depth. Practical applications of the law, and public policy dimensions, are addressed throughout the subject.

LAW9317 E-Commerce Law

Spring Wollongong On Campus
Credit Points: 6
Pre-requisites: 24 credit points of Master of Electronic Commerce
Co-requisite: None
Exclusions: LAW317, LLB317
Subject Description: The subject explores some of the more significant legal and regulatory issues that e-commerce gives rise to. The internet and other digital communications technological developments provide a new platform for commercial activity and today constitute a new marketplace- the cyber-marketplace. How does familiar commercial law operate in that market-place? What are the special characteristics of the new market-place? On the back of either or both those considerations,

do problems arise that legal developments are needed to address? What policy public considerations apply to reveal problem areas and enable us to formulate and evaluate possible 'solutions'. Some problem areas have already been revealed and prompted legal developments. Are they working and delivering the desired solution? This subject involves students exploring these questions. The areas of law traversed include jurisdictional matters, contract and consumer protection, privacy, relevant aspects of intellectual property law (in particular copyright, patents and trademarks), and cybercrime. The perspectives of on-line traders, consumers and other interest groups are weighed in the analysis. The goal is to see if we can advance the realization of e-commerce's social, economic and, perhaps, market transformative potential.

LAW9380 Law for Environmental Managers

Spring Wollongong On Campus
Credit Points: 8
Pre-requisites: 72 credit points in a discipline other than Law or enrolled in MEnvSc
Co-requisite: None
Exclusions: LAW334 or LAW380
Subject Description: The goal of this subject is to enable students to develop a critical understanding of the law in relation to the broad notion of ecologically sustainable development in Australia, with an emphasis on biodiversity conservation in both Commonwealth and NSW jurisdictions. It focuses on, inter alia, key legislation, statutory planning instruments, assessment of development proposals, new conservation mechanisms such as offsetting, on-reserve and off-reserve conservation management, climate change and the role of the Courts.

LEGL914 Ethics and Integrity in the Public Sector

Spring Innovation Campus Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines some of the key challenges to maintaining ethics and integrity in the public sector. It looks at the nature of the environments in which public sector work is done, and how ethical problems can arise within bureaucracies engaged in public service. We consider some of the current machinery for upholding good ethical practice. We examine themes such as integrity, accountability, trust, and transparency. We look at how these values can be put into practice through codes of conduct and other measures.

LEGL915 Understanding Corruption and Misconduct

Summer 2012/2013 Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the nature of corruption and misconduct as problems in the public sector. It considers definitions, costs and consequemces of corruption as well as examining different explanations for why corruption and misconduct occur. It looks at major forms of corruption and misconduct, and uses case studies to develop student understandings of how corruption and misconduct can occur and continue unchecked.

LEGL916 Corruption Prevention and Integrity Assurance

Autumn Innovation Campus Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the different approaches to integrity assurance and corruption prevention and highlights the suitably of different approaches for particular challenges arising within the context of organisational corruption. It also includes an extensive examination of post incident strategy and restorative approaches as well as pressures involved in building organisational resilience to corruption. It provides an overview and understanding of the main approaches to reducing corruption and ensuring public sector integrity. It focuses on both proactive and reactive measures. Trends in the use of coercive and intrusive techniques of investigation will be considered, as well as the emergence of specialised anti-corruption bodies. Challenges faced by those working in anti-corruption and integrity assurance will be addressed.

LEGL917 Current Issues in Integrity Governance

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will examine a range of current challenges in the area of integrity governance, drawing upon professional ethical perspectives. Topics such as ethical leadership, ethical decision-making processes, cultural differences and their impact on integrity governance and notions of ethical competence will be studied.

LEGL918 Special Powers and Investigation Methods

Summer 2012/2013 Wollongong Flexible
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides the opportunity to analyse and evaluate special powers and investigative methods utilised by various types of anti-corruption agencies. It focuses on the coercive and intrusive techniques of investigation, the legal, moral and institutional frameworks designed to ensure operational accountability and the significant challenges faced by those investigating anti-corruption matters.

LEGL919 Integrity Studies Research Project

Autumn Innovation Campus Flexible
Credit Points: 8
Pre-requisites: LEGL914 and LEGL915 and LEGL916
Co-requisite: None
Subject Description: Students will be encouraged to select their topics from abundance of core course material covered in their Graduate Certificate and Master degree courses. This includes, but is not limited to the following integrity and anti-corruption related areas. 1. Ethics and Integrity in the Pulic Sector 2.Understanding Corruption and Misconduct 3.Corruption Prevention and Integrity Assurance 4.Current issues in Integrity Governance. 5. Special Powers and Investigation Methods of anti-corruption/integrity agencies.

LEGL929 Transnational Crime Prevention

Spring Innovation Campus Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the idea of crime prevention in terms of whether it can be applied in the transnational crime arena. Taking a broad, contextual approach it looks at different paradigms of crime prevention, how some of these are articulated into national or international strategic policy, and through case studies the practicalities of attempting crime prevention in the transnational crime arena. Consideration is given to criminalisation approaches and their consequences, harm reduction approaches, environment management, and socio-economic crime prevention methods.

LEGL950 Transnational Crime Prevention Research Project

Not on offer in 2012
Credit Points: 8
Pre-requisites: 24 credit points of LEGL subjects
Co-requisite: 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 2012
Credit Points: 8
Pre-requisites: 24 credit points of LEGL subjects
Co-requisite: 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

Autumn Innovation Campus Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will start with a review of the fundamental values, rights and laws that govern (or attempt to govern) cyberspace. We then examine the various treaties, agreements and memoranda that exist to support the upholding of the law, and contrast these with an examination of where laws do not exist or are inadequate. The subject then looks at organized crime, examining examples of cyber crime and demonstrating the tools that can be used when committing cyber crimes. Students will complete several hands-on activities that demonstrate how easy these IT tools are to use. We will also demonstrate some of the difficulties that law enforcement encounters when attempting to gather evidence and build a case in order to prosecute a cyber criminal. Finally the subject reviews the underpinning social and personal impacts -the values in society that are being affected by cyber crime. We look to the future to see what evolutions may be on the horizon in relation to the future of cyber crime and cyber crime prevention.

LEGL954 International Corporate Crime

Spring Innovation Campus Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: While corporations are "fictitious legal persons" they often possess the same rights and many of the responsibilities of individuals. International Corporate Crime largely focuses on how individuals abuse their positions within corporations for personal gain (and sometimes for the gain of their employer) and the difficulty or reluctance many governments have in prosecuting corporate crime. A principle failure in corporate governance is what is known as the "agency problem." This situation arises since shareholders may own a corporation or other legal entity, but except for small legal entities, they usually do not control their activities nor are they able to directly influence corporate behaviour. . This course is intended to assist students in critically evaluating the role of the corporate system as a means for organizing economic activity. It aims to make students sensitive to corporate issues as they relate to corporate crime. Students are to contemplate what are the consequences for society of organizing most economic activity around corporations? Query whether governments are more responsive to corporate interests than those of their citizens and the consequences of this?

LEGL955 Issues in Comparative Criminal Justice

Autumn Innovation Campus Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject focuses on issues of transnational crimes and human rights in the European Union and Islamic contexts. It aims to offer a comparative platform to appreciate better the interconnection between local and transnational criminal justice issues. Firstly, it explores how the Italian system moved from inquisitorial criminal proceedings towards an adversarial model, and the impact on the fight against the Mafia. Secondly, it will focus on the European Union and its work in the area of transnational crimes. Particular emphasis will be given to the so-called 'Third Pillar' and to the European Court of Justice. Thirdly, it will examine Shariah law proceeds with a review of divine sources before considering substantive and procedural aspects in more detail. This component also pays particular attention to current debate amongst Islamic legal scholars. These debates pertain to the content and evolution of Shariah, scope for 'human rights' within a Shariah framework and political exploitations of the call to 'jihad'. This module explores the fluidity of systems and mechanisms as they expand and adapt in response to a changing global society

LEGL956 Major Research Project - Transnational Crime Prevention

Autumn Innovation Campus Flexible
Spring Innovation Campus Flexible
Credit Points: 12
Pre-requisites: A minimum of a Credit in three MA (TCP) subjects and the approval of the MA (TCP) convener

Co-requisite: 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 Arts(Transnational Crime Prevention) program undertaken by the student in light of the students experience and background. Where appropriate, assistance from external experts is encouraged.

LEGL957 Security Intelligence and Policy

Spring Innovation Campus Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: In the first part of this subject, students look at the issue of defining intelligence. What is its difference to evidence? What is the difference between data, information and intelligence; and the types of intelligence. Students will then progress to looking at the development of intelligence philosophies, including the major themes of intelligence and major historical developments in the intelligence field. In this regard they will look at notorious intelligence failures and subsequent reforms, and how the new transnational security agenda impact on the intelligence environment. Students then move on to looking at intelligence communities, and where and why they exist. They will examine the Australian intelligence community and other intelligence led organisations and assess the strengths and/or weaknesses of collaborative intelligence relationships, both in Australia and internationally. Finally, students will examine the ethical and legal dimensions of intelligence, and the accountability, oversight and governance responsibilities of those that administer its collection.

LEGL958 Studies in International Criminal Law

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the relationship between international law and criminal jurisdiction and provides students with an overview of basic principles of jurisdiction. The distinctions between international and transnational criminal jurisdiction are explained together with justifications and uses for universal jurisdiction, extraterritorial jurisdiction and military tribunal jurisdiction. The role of the International Criminal Court is considered alongside the development of transnational crime instruments such as the UN Convention against transnational organized Crime and its Protocols, particularly the Protocol dealing with people smuggling and trafficking in persons. The nature and scope of criminal justice co-operation mechanisms such as extradition, mutual legal assistance and international law enforcement co-operation are discussed. Attention is given to developments in the Asia Pacific region surrounding Australia. The pedagogic rationale develops the subject narrative in three phases. In the first phase the principles of criminal jurisdiction within the international arena are introduced as a foundation for studying the next two phases. The second phase focuses on international law enforcement co-operation (also known as agency-to-agency, police-to-police, customs-to-customs co-operation). Such co-operation, generally informal but in some regions beginning to become more formalized, is often a necessary precursor to other more formal criminal justice cooperation mechanisms between prosecutorial and judicial authorities such as mutual legal assistance and extradition. The formal structures and operation of mutual legal assistance and extradition, which lie at the heart of the international system of criminal jurisdiction co-operation, are examined in the final phase. Each day's group of subjects works from the general context to particular case studies.'

LEGL959 International Cooperation and Transnational Crime

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the politics of international relations and major theories of state cooperation. It aims to provide students with the tools to examine and interpret the interplay between state power, law and global politics. Along with states we will consider international bodies and institutions (themselves the creation of states) to attempt to understand the political geography of controlling and combating transnational organised crime. Of most interest in this subject is the geopolitical conceptual framework that is employed as a tool to understand TOC and cooperation policies. We examine the expansion of transnational organized crime in a world of rapid information and financial market development, and the difficulties this poses for international and domestic agencies tasked with responding to these problems.

LEGL960 Understanding Transnational Crime

Autumn Innovation Campus Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject starts by looking at how transnational and organised crimes (TOC) are defined, then turns to the history of these ideas. The next theme is the measurement, assessment and research of these topics. Then, different approaches to understanding and explaining TOC are examined. A number of case studies are then considered: global drug trafficking, outlaw motorcycle gangs, transnational environmental crime, corruption, and people smuggling. Guest lecturers will be used to deliver on some of the material to be covered. By the conclusion of the subject (including the assessment required), students will have a thorough orientation to the phenomenon of TOC in general, be able to research, think critically and discuss in writing and orally on key themes arising in the area, and possess a detailed appreciation of several major forms of TOC.

LEGL961 Minor Research Project - Transnational Crime Prevention

Autumn Innovation Campus Distance
Spring Innovation Campus Distance
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Students will research and write a dissertation of approximately 7-8000 words, on a subject selected by the student and approved by the subject coordinator. The student will select a topic relevant to the different threads of the Master of Transnational Crime Prevention (MTCP) program. Subjects should be reflective of

the student's experience and background, drawing on primary source material in a critical and engaged manner.

LEGL962 Special Studies in Terrorism and Counter Terrorism

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Autumn	Innovation Campus	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: 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; links between terrorism and crime; chemical, biological, radiological and nuclear terrorism; terrorist disengagement and 'de-radicalisation'; current and future trends and strategies to prevent and counter the threat.

LEGL964 Transnational Financial Crime

Autumn	Innovation Campus	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Transnational Financial Crime focuses on the financial system, domestically and internationally, the payments systems that underpins it, financial crimes and abuses that involve those systems and methods of regulating, protecting and strengthening the financial system. This course is intended to assist students in critically evaluating the influence of various social, political and economic factors that impact on the use and misuse of that system, and allow students to develop ideas to strengthen the financial system against financial crime. Business practices and technology change occurs rapidly and it is not possible for governments (and legislators) to anticipate in advance all forms of corporate malpractice and hence what institutions, legal norms and practices need to be adopted. As globalization continues and regulatory regimes become more complex, it is increasingly unrealistic for law enforcement to keep pace with those persons societies regard as "criminal." This creates serious challenges for regulating corporate behaviour.

LEGL999 International Criminal Jurisdiction

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the relationship between international law and criminal jurisdiction and provides students with an overview of basic principles of jurisdiction. The distinctions between international and transnational criminal jurisdiction are explained together with justifications and uses for universal jurisdiction, extraterritorial jurisdiction and military tribunal jurisdiction. The role of the International Criminal Court is considered alongside the development of transnational crime instruments such as the UN Convention against transnational organized Crime and its Protocols, particularly the Protocol dealing with people smuggling and trafficking in persons. The nature and scope of criminal justice co-operation mechanisms such as extradition, mutual legal assistance and international law enforcement co-operation are discussed. Attention is given to developments in the Asia Pacific region surrounding Australia.

LLB 843 Professional Practice

Annual	Wollongong	Flexible
Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible
Spring2012/Autumn2013	Wollongong	Flexible

Credit Points: 8
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisite: LLB844
Exclusions: LLB 847 and LLB396
Subject Description: The subject includes: Professional Responsibility and Competent Practice; Problem Analysis; Dispute Resolution; Cross-cultural Communication; Electronic Research; Writing and Drafting and Professional Experience Program. Students attend on-campus for an introductory session and thereafter meet the requirements of the Professional Experience program in law-related employment or in a placement arranged by the Practical Legal Training Unit. The requirements of this subject are not completed until all components of professional experience and assignments are completed.

LLB 844 Practice Management

Annual	Wollongong	Flexible
Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible
Spring2012/Autumn2013	Wollongong	Flexible

Credit Points: 8
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisite: LLB843 or LLB396
Subject Description: This subject will introduce students to the statutory and professional requirements in relation to clients' Trust monies and securities, and to principles of practice management including computerised accounting and recording systems, costing, risk management and related matters. The subject contains three inter-related modules: Trust and Office Accounting; and Law Office Management.

LLB 845 Conducting Litigation

Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible

Credit Points: 16
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisite: (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-requisite: (LLB396 or LLB843) and LLB844
Subject Description: The subject includes: Commercial

Planning; Revenue Implications; Real Property Transactions; Commercial Contracts; Trusts, Wills and Estate Planning; Probate and Estate Administration; Small Business Practice. The subject provides an overview of particular aspects of commercial and property transactions, and related matters which affect clients in planning their business and personal affairs.

LLB 847 Professional Experience

Annual	Wollongong	Flexible
Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible
Spring2012/Autumn2013	Wollongong	Flexible

Credit Points: 0
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisite: LLB396 Professional Practice
Exclusions: LLB843 Professional Practice (Professional experience component)
Subject Description: As part of the GDLP students must complete 80 days of professional experience. Some of this is acquired by Wollongong LLB students as part of the subject LLB311/LLB190 Lawyers and Australian Society. Apart from engaging in professional experience in locations and of the type specified in the LLB843 guidelines, there are no classes or assignments involved other than to submit a reflective report on conclusion of the experience.

LLB9100 Introduction to Legal Systems

Not on offer in 2012
Credit Points: 8
Pre-requisites: None
Co-requisite: 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.

LWPD900 Prosecutorial Practice

Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: LWPD923
Subject Description: This subject provides a thorough introduction to the prosecutorial office and the unique responsibilities and ethical obligations attaching to it, both in theory and as applied in practice, for example as in the consideration of charges and pleas, leading exculpatory evidence, jury selection etc. Students will also learn about the key relationships between the prosecutor and other entities, such as the Court, witnesses, defence, media and police. Avoiding miscarriages of justice will be a major theme.

LWPD901 Applied Criminal Law

Spring	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject complements Advanced Criminal Evidence by examining commonly encountered, and frequently complex, issues of the substantive criminal law. To prosecute or undertake criminal defence effectively, students must understand not only the laws of evidence but also the substantive criminal laws relevant to the crime(s) charged and available defences. Criminal law as taught at the undergraduate level introduces basic working principles such as mens rea, actus reus etc. This subject seeks to build on these fundamental understandings by considering how these principles apply in more complex fact situations, as may be raised in cases of alleged party liability and inchoate offences.

LWPD902 Advanced Criminal Evidence

Autumn	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: 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. The course provides a detailed treatment of relevant aspects of criminal evidence including competence and compellability; the oath; unsworn evidence; privileges; judicial notice; the hearsay rule; confessions and admissions; credibility and character evidence; corroboration; accomplice evidence; judicial warnings; and Browne v Dunn.

LWPD907 International Law & Criminal Jurisdiction

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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. This subject examines the relationship between international law and criminal jurisdiction and provides students with an overview of basic principles of jurisdiction. The distinctions between international and transnational criminal jurisdiction are explained together with justifications and uses for universal jurisdiction, extraterritorial jurisdiction and military tribunal jurisdiction. The role of the International Criminal Court is considered alongside the development of transnational crime instruments such as the UN Convention against transnational organized Crime and its Protocols, particularly the Protocol dealing with people smuggling and trafficking in persons. The nature and scope of criminal justice co-operation mechanisms such as extradition, mutual legal assistance and international law enforcement co-operation are discussed. Attention is given to developments in the Asia Pacific region surrounding Australia

LWPD909 Studies in Transnational Crime & Transnational Criminal Law

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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.

LWPD912 Prosecuting International Humanitarian Law

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: As attested by the creation of the International Criminal Court, international humanitarian law is of ever increasing significance. Moreover, International Humanitarian Law is enforceable, and is being enforced, through both international and domestic courts. This subject examines not only the substantive laws that comprise International Humanitarian Law but also the critical aspect of enforcement. Topics include: The Geneva Conventions; War crimes; Crimes against humanity; Goals of International Criminal Justice; Competing models for delivery of International Criminal Justice: international tribunals and courts; hybrid bodies; domestic prosecutions; truth and reconciliation commissions.

LWPD914 Comparative Criminal Justice

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Domestic prosecution has an ever-expanding international dimension. Prosecutions of foreign nationals, extraditions, reliance upon mutual legal assistance arrangements and off-shore tracing of criminal proceeds are becoming commonplace. The imperatives of cross-border law-enforcement cooperation are such that prosecutors must come to understand the operation of foreign criminal justice systems. Moreover, international criminal tribunals are ascending both in stature and, through their shaping of international human rights norms, legal significance. These tribunals are a multi-jurisdictional melting pot of procedure and substantive law. This subject compares what may be very loosely termed the 'Adversarial' and 'Inquisitorial' systems as well as those systems founded upon Shari'a law. The criminal process and, in particular, the specific role of the prosecutor within the inquisitorial and Shari'a systems is examined.

LWPD915 Criminal Appellate Advocacy

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject addresses appellate advocacy from both legal and, through a number of advocacy exercises, practical perspectives. Legal topics include: appellable error - questions of law v questions of fact; the case stated; amending the record; supplementing the record; evidence on appeal; appeals against discretion; appeals against weight; 'miscarriage of justice' proviso; fresh grounds; grounds not advanced in lower court; drafting and presenting submissions; orders: declarations, retrial, acquittal.

LWPD916 Prosecuting Transnational Economic and Cyber Crime

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: 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.

LWPD919 Special Studies in Prosecutions

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject permits the inclusion of an in-depth study of a particular aspect of prosecutions that is within the specialisation of a visiting or resident expert and that otherwise would not be offered. Subject content is dependent upon the specialisations of visiting experts.

LWPD920 Prosecutions Research Project

Annual Wollongong Distance
Autumn Wollongong Distance
Spring Wollongong Distance
Spring2012/Autumn2013 Wollongong Flexible
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject affords students the opportunity to complete a substantial piece of academic writing and to explore particular areas of personal interest or relevance. Students will research and write a dissertation of approximately 12,000 words on a subject selected by the student and approved by the subject co-ordinator. The student should approach the topic from an international and comparative law perspective drawing together different threads of the Masters of Laws (Prosecutions) program in light of the student's experience and background. The dissertation must approach the area constructively and make recommendations for reform, legislative, institutional or otherwise. Assistance from external experts is encouraged, as is original research.

LWPD925 DNA for Lawyers

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: DNA Technology has emerged as the most important scientific contributor to the criminal justice system of the past two decades. Developments in the technology and associated disciplines (maths, statistics,

microbiology) and the prospect of a major new pathway (SNIP) cement the present and future place of DNA in the criminal process. It is a complex area and one that counsel must understand intimately in order to present or attack it. This subject gives to the science of DNA technology the degree of depth and breadth needed to ensure students have a balanced understanding of its several aspects.

LWPD926 Experts and their Evidence

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: LWPD921
Subject Description: This subject focuses primarily upon the legal issues surrounding the reception of expert evidence and teaching students how to lead expert evidence and to cross-examine expert witnesses. It also considers scientific method, issues of expert witness immunity, and disciplinary processes, the development of Codes of Conduct and the emergence of new positive duties of objectivity, independence and intellectual integrity.

LWPD927 Prosecuting Transnational Economic and Cyber Crime

Autumn Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: On successful completion of this subject a student will be able to; discuss and illustrate the impact of economic and cyber crime; identify the types of financial instruments and transactions vulnerable to criminal activity; demonstrate an understanding of transnational financial crime; demonstrate an understanding of money laundering and the recovery of proceeds of crime; analyse new developments in preventing crime within the financial sector and assess relevant social, economic and political factors.

LWPD928 Criminal Trial and Appellate Advocacy

Spring Wollongong Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will give students great insights into important trial and appellate procedures, and particularly into the necessary and advanced skills of criminal advocates both before juries and appellate courts. They will be given practical training exercises and study the theory of advocacy and rhetoric. They will learn to express legal arguments in precise and attractive ways and will learn techniques of persuasion. They will learn to overcome weaknesses in their presentation style.

LWPD999 International Criminal Jurisdiction

Autumn Innovation Campus Flexible
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the relationship between international law and criminal jurisdiction and provides students with an overview of basic principles of jurisdiction. The distinctions between international and transnational criminal jurisdiction are explained together with justifications and uses for universal jurisdiction, extraterritorial jurisdiction and military tribunal jurisdiction. The role of the International Criminal Court is considered alongside the development of transnational crime instruments such as the UN Convention against transnational organized Crime and its Protocols, particularly the Protocol dealing with people smuggling and trafficking in persons. The nature and scope of criminal justice co-operation mechanisms such as extradition, mutual legal assistance and international law enforcement co-operation are discussed. Attention is given to developments in the Asia Pacific region surrounding Australia.

Faculty of Science

Member Units

School of Biological Sciences
School of Chemistry
School of Earth & Environmental Sciences

Courses Offered

Research Degrees

Doctor of Philosophy *(see page 344)*
Doctor of Philosophy (Integrated) *(see page 344)*
Master of Environmental Science - Research *(see page 345)*
Master of Science - Research *(see page 347)*

Coursework Degrees

Graduate Certificate in Spatial Science *(see page 348)*
Graduate Diploma in Science *(see page 348)*
Master of Environmental Science *(see page 349)*
Master of Environmental Science Advanced *(see page 350)*
Master of Science *(see page 351)*
Master of Science and Management *(see page 356)*

Other Information

Fees

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

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Science
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
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 need to complete RESH901 – Fundamentals for HDR Writing as part of their candidature.

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

Studies in Physics are conducted through the Faculty of Engineering.

Other Information

For further information contact the Faculty of Science Office or telephone +61 2 4221 3530.

Web site: www.uow.edu.au/science/

Specific enquiries should be directed to the appropriate Academic Unit: School of Biological Sciences +61 2 4221 3013, School of Chemistry +61 2 4221 3509 or School of Earth & Environmental Sciences +61 2 4221 3721.

Doctor of Philosophy (Integrated)

Testamur Title:	Doctor of Philosophy (Integrated)
Abbreviation:	PhD(Int)
Home Faculty:	Science
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	210
CRICOS Code:	072845C (Lab), 072844D (Non-Lab)

Overview

The PhD (Integrated) is a four-year research degree which integrates one year of coursework, comprising research training and discipline-specific content, with a traditional three-year PhD thesis into a single degree.

Entry Requirements / Assumed Knowledge

Applicants should have a minimum of four years of study at degree level, either a four-year Bachelor degree, or a Bachelor degree plus Masters by Coursework, with a minimum Credit average (65% or GPA 3.0 out of 4.0), or equivalent. Standard English Language Requirements apply.
Refer to http://www.uow.edu.au/future/international/apply/english

Admission is also subject to an appropriate project being available, acceptance by an academic supervisor, approval by the Head of School, and approval by the Dean or Associate Dean.

Course Structure

Year 1 Coursework

All students complete one year (48 credit points) of coursework in the first year, comprising:

Research Training Skills

Between 12-24 credit points must be completed from research training skills subjects offered by the Schools within the Faculty of Science, typically including one or more of:

Research methodology

Literature review, critical analysis, or laboratory projects

Advanced topics, or a minor research project

Refer to Master of Science for research subjects available.

All students will also complete modules from the suite of student seminars and workshops coordinated by the Research Students Centre. Modules which develop thesis writing skills will be emphasised.

Core Subjects		Credit Points
RESH900	Fundamentals for HDR Writing	6
RESH901	Fundamentals for HDR Writing	0

Individual Coursework Subjects

The remaining 24-36 credit points are chosen from the postgraduate coursework programs available within the Faculty of Science in consultation with the academic supervisor. This will allow students to obtain deeper content knowledge in a specific discipline area. Refer to Master of Science for individual subjects available.

Years 2-4: Research

The research component is the same as for the three-year PhD program and leads to production of a written thesis.

In order to progress to the research component, PhD Integrated students must complete the first year with an average of 65%, including 65% in each research training skills subject. Students progressing to the research component will have developed their specific research topic before commencing the research component.

Students not meeting progression requirement into Year 2 may be offered an alternative of transferring into a Masters program.

Disciplinary Areas Available

- Biological Sciences
- Chemistry
- Environmental Science
- Geography
- Geology

Studies in Physics are conducted through the Faculty of Engineering.

Contact Information

For further information contact the Faculty of Science Office, or telephone +61 2 4221 3530.

Web site: www.uow.edu.au/science/

Specific enquiries should be directed to the appropriate Academic Unit: School of Biological Sciences +61 2 4221 3013, School of Chemistry +61 2 4221 3509 or School of Earth & Environmental Sciences +61 2 4221 3721.

Master of Environmental Science - Research

Testamur Title:	Master of Environmental Science - Research
Abbreviation:	MEnvSc-Res
Home Faculty:	Science
Duration:	1-2 years full-time depending on entry qualifications
Total Credit Points:	72
Delivery Mode:	On campus (Flexible and face-to-face)
Starting Session(s):	Autumn and Spring
Location:	Wollongong
UOW Course Code:	1312
CRICOS Code:	042533A

Overview

This program involves a major project in one of the many research areas of environmental science available in the Faculty. The research project will provide information for improved understanding of how ecosystems work, for solving environmental problems of immediate concern and to assist policy makers in developing new strategies and legislation for environmental management. This degree provides the opportunity for students to contribute to this

work by undertaking a major research project in one of the areas of environmental science within the Faculty.

Entry Requirements / Assumed Knowledge

A degree with Honours in environmental science, science or engineering at a level of at least Class II, Division 2, or a Master of Environmental Science or Master of Science with credit average, or equivalent qualifications or appropriate publications and work experience.

Entry must be approved by the Coordinator and, if the thesis work is being supervised by staff from an Academic Unit, the Head of Postgraduate Studies or Head of that Unit**.**

Course Requirements

The course consists of 72 credit points to be completed in a maximum time of two years (four sessions), as follows:

– a 48 credit point research project (THES924 Thesis); and

– a maximum of 24 credit points of subjects, chosen from the Environmental Science postgraduate schedule in consultation with the Environmental Science Masters Coordinator.

Special Note: Students entering with an Honours degree at the level of at least Bachelor Honours Class II, Division 2, or a Master of Environmental Science degree (or equivalent) will normally be given credit transfer for the 24 credit points of coursework, except for candidates with no background in environmental science who will be required to complete ENVI922 Scientific Basis of Environmental Management (12 credit points).

Course Program

Subjects		**Session**	**Credit Points**
THES924	Thesis		48
Plus a maximum of 24 credit points of subjects chosen from those listed below in consultation with the Environmental Science Masters Coordinator.			
ENVI923	Environmental Planning	Autumn	12
ENVI922	The Scientific Basis of Environmental Management	Spring	12
ENVI910	Directed Studies in Environmental Chemistry	Annual, Autumn or Spring	12
ENVI911	Directed Studies in Ecology	Annual, Autumn or Spring	12
ENVI913	Directed Studies in Earth Sciences	Annual, Autumn or Spring	12
ENVI919	Directed Studies in Environmental Science	Annual, Autumn or Spring	12
EESC902	Advanced Coastal Environments	Spring	12
EESC903	Advanced Fluvial Geomorphology and Sedimentology	Autumn	12
EESC904	Advanced Geographic Information Systems	Spring	12
EESC905	Advanced Remote Sensing	Spring	12
EESC912	Advanced Soils, Landscapes and Hydrology	Spring	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC950	Advanced Topic A	Annual, Autumn or Spring	12

Contact Information

For further information contact the Faculty of Science Office, telephone +61 2 4221 3530.

The Degree Coordinator is Professor John Morrison, School of Earth & Environmental Sciences, Room 41.G27, telephone +61 2 4221 4377.

Master of Science - Research

Testamur Title:	Master of Science - Research
Abbreviation:	MSc-Res
Home Faculty:	Science
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery mode:	On campus
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1304, 1304A
CRICOS Code:	042532B, 042534M (Geography)

Overview

Courses provide for the specific needs and interests of students wishing to obtain experience in a modern research program.

Entry Requirements / Assumed Knowledge

Minimum entry requirement is a Bachelor degree with a major study in the relevant discipline.

Course Requirements

The course consists of 72 credit points to be completed in a maximum time of two years (four sessions), as follows:

- 24 credit points of coursework; and
- 48 credit point research project.

Students entering with a degree at the level of at least a Bachelor Honours Class II, Division 2 may be awarded credit transfer for the 24 credit points of coursework based on prior research training.

Students undertaking the 24 credit points of coursework will select appropriate postgraduate subjects from those offered in the discipline in consultation with the Head of School or the Postgraduate Coordinator.

For detailed possible coursework subject programs, consult the Master of Science by coursework degree in the relevant discipline.

Disciplinary Areas Available

- Biological Sciences
- Biotechnology
- Chemistry
- Geography
- Geology
- Medicinal Chemistry

For studies in Physics refer to Faculty of Engineering

Other Information

For further information contact the Faculty of Science Office, or telephone +61 2 4221 3530.

Web site: www.uow.edu.au/science/

Specific enquiries should be directed to the appropriate Academic Unit: School of Biological Sciences +61 2 4221 3013, School of Chemistry +61 2 4221 3509 or School of Earth & Environmental Sciences + 61 2 4221 3721.

Graduate Certificate in Spatial Science

Testamur Title:	Graduate Certificate in Spatial Science
Abbreviation:	GCertSpatialSc
Home Faculty:	Science
Duration:	1 year part-time
Total Credit Points:	24
Delivery Mode:	On Campus
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1178
CRICOS Code:	Not Applicable

Overview

The aim of this course is to provide students with a theoretical basis for, as well as practical experience in, applying geospatial technologies (Geographic Information Science or Remote Sensing, and to a lesser extent, GPS) within an environmental problem solving context using industry standard software. Please note that this course is only available part-time.

Entry Requirements / Assumed Knowledge

A Pass Bachelors degree of at least three years' duration in any Science or Information Technology related specialisation (including Geography) or a similar tertiary qualification, with relevant work experience, as approved by the Head of School

Course Requirements

Subjects		Session	Credit Points
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
Plus one of the following subjects:			
EESC904	Advanced GIS	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12

Other Information

The Degree Coordinator is Dr Laurie Chisholm - School of Earth & Environmental Sciences, telephone +61 2 4221 3765, email: lauriec@uow.edu.au

Graduate Diploma in Science

Testamur Title:	Graduate Diploma in Science
Abbreviation:	GDipSc
Home Faculty:	Science
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	682
CRICOS Code:	007042M

Overview

The Graduate Diploma in Science provides graduates with the opportunity to acquire competence in a particular area of science at a sufficiently advanced level, to enable them to either proceed with further study or to update, broaden or intensify their knowledge and skills in the discipline.

The Diploma will be found useful by international students, and by students either without a full major in a discipline at undergraduate level, or who completed their first degree some years ago.

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.

Students may choose to take subjects from the following schools:

- Biological Sciences
- Chemistry
- Earth & Environmental Sciences

For studies in Physics refer to Faculty of Engineering

Other Information

For further information contact the Associate Dean, Associate Professor Paul Carr - Faculty of Science Office, telephone +61 2 4221 3172, email: pcarr@uow.edu.au.

Web site: www.uow.edu.au/science/

Specific enquiries should be directed to the appropriate Academic Unit: School of Biological Sciences +61 24221 3013, School of Chemistry +61 2 4221 3509 or School of Earth & Environmental Sciences +61 2 4221 3721.

Master of Environmental Science

Testamur Title:	Master of Environmental Science
Abbreviation:	MEnvSc
Home Faculty:	Science
Duration:	1 year full-time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn and Spring
Location:	Wollongong
UOW Course Code:	1500
CRICOS Code:	026171M

Overview

This program is designed for applicants who wish to extend their knowledge of science relating to the environment, by studying areas not covered in their undergraduate Science or Engineering degree (including environmental policy, planning and management).

Entry Requirements / Assumed Knowledge

Completion of a recognised Bachelor Degree in: Environmental Science; Science; Applied Science; Agriculture; Forestry; Veterinary Science or Engineering (or equivalent qualifications and/or professional experience).

Alternative Entry Criteria: The person would be required to have been working in a position for at least five years which, if they left, would be filled by an appropriately qualified graduate. Normally a written statement from a suitably qualified person, usually a senior manager with a strong science background, is required as confirmation of the necessary skills.

Course Requirements

Students will undertake a program of at least 48 credit points comprising two compulsory subjects, and optional subjects selected from the subjects listed below and approved by the Coordinator of the degree.

Course Program

Subjects		**Session**	**Credit Points**
ENVI922	The Scientific Basis of Environmental Management	Spring	12
ENVI923	Environmental Planning	Autumn	12
Plus at least 24 credit points chosen from:			
EESC901	Advanced Plate Tectonics, Macrotopography and Earth History	Autumn	12
EESC902	Advanced Coastal Environments	Spring	12
EESC903	Advanced Fluvial Geomorphology and Sedimentology	Autumn	12
EESC904	Advanced Geographic Information Systems	Spring	12
EESC905	Advanced Remote Sensing	Spring	12
EESC912	Advanced Soils, Landscapes and Hydrology	Spring	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC916	Coastal Population Studies	Autumn	12

Subjects		Session	Credit Points
EESC918	Advanced Environmental and Heritage Management	Spring	12
EESC926	Advanced Resources and Environments	Spring	12
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8
ENVE985	Environmental Engineering	Autumn	8
ENVI910	Directed Studies in Environmental Chemistry	Annual, Autumn, or Spring	12
ENVI911	Directed Studies in Ecology	Annual	12
ENVI912	Directed Studies in Land Resources	Annual, Autumn, or Spring	12
ENVI913	Directed Studies in Earth Sciences	Annual, Autumn, or Spring	12
ENVI919	Directed Studies in Environmental Science	Annual, Autumn, or Spring	12
LAW9380	Law for Environmental Managers	Spring	8
STAT955	Sample Surveys and Experimental Design	Autumn	8
STS 929	Studies in Resource and Environmental Policy	Annual, Autumn, or Spring	8

Other Information

For further information contact the Faculty of Science Office or telephone +61 2 4221 3530.

The Degree Coordinator is Professor John Morrison, School of Earth & Environmental Sciences, Room 41.G27, email: johnm@uow.edu.au.

Master of Environmental Science Advanced

Testamur Title:	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:	On campus (Face-to-face)
Starting Session(s):	Autumn and Spring
Location:	Wollongong
UOW Course Code:	1412
CRICOS Code:	048589C

Overview

This degree is aimed primarily at international students, and combines research and coursework to provide a two-year (or part-time equivalent) degree for Science and Engineering graduates or others, with a limited undergraduate background in the environmental science area.

Entry Requirements / Assumed Knowledge

Bachelor degree in Environmental Science, Science, Applied Science, Agriculture, Forestry, Veterinary Science or Engineering, or equivalent tertiary qualifications and/or professional experience. Students must consult with the Environmental Science Masters Coordinator for approval of overall entry.

Course Requirements

Candidates must complete the three core subjects plus a Thesis of either 24 or 32 credit points plus elective subjects to total 96 credit points, as set out below.

Course Program

Subjects		Session	Credit Points
Core Subjects			
ENVI922	The Scientific Basis of Environmental Management	Spring	12

ENVI923	Environmental Planning	Autumn	12
STS 929	Studies in Resource and Environmental Policy	Autumn	8
Plus one of the following:			
ENVI930	Thesis	Annual, Autumn or Spring	24
ENVI931	Thesis	Annual, Autumn or Spring	32
Plus one or two of the following:			
EESC951	Advanced Topic B	Autumn or Spring	8
ENVE985	Environmental Engineering	Autumn	8
LAW9380	Law for Environmental Managers	Spring	8
STAT955	Sample Surveys and Experimental Design	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	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, telephone +61 2 4221 3530.

The Degree Coordinator is Professor John Morrison, School of Earth & Environmental Sciences, Room 41.G27, telephone +61 2 4221 4377, email: johnm@uow.edu.au

Master of Science

Testamur Title:	Master of Science
Abbreviation:	MSc
Home Faculty:	Science
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On campus (Face-to-face)
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1616 (Laboratory) 1616A (Non-Laboratory)
CRICOS Code:	Master of Science (Laboratory) 067084D Master of Science (Non-Laboratory) 069587J

Overview

This coursework degree is designed for candidates who wish to extend their grounding in a particular science discipline beyond the undergraduate level. It also provides an alternative route to subsequent PhD studies for high performing students who do not possess a Bachelor of Science Honours degree. Students who graduate from this degree would be expected to obtain jobs in relevant industries, research institutes and government departments in both Australia and overseas.

Entry Requirements / Assumed Knowledge

Normally a Pass Bachelors degree of at least three years' duration in the relevant discipline (with at least three third year level subjects in the discipline) or a similar tertiary qualification, with relevant work experience, as approved by the relevant Masters Coordinator or Head of School.

Course Requirements

Students in the Master of Science complete a common core of 24 credit points and a Major Study of 48 credit points.

Common core subjects

Subject		Session	Credit points
SCIE911	Fundamentals of Science Communication	Autumn/Spring	6
SCIE912	Fundamentals of Science Practice	Autumn/Spring	6
SCIE913	Fundamentals of Science Data and IT	Autumn/Spring	6
SCIE914	Current Questions in Science	Autumn/Spring/ Summer	6

Major Study Areas

- Biotechnology
- Chemistry
- Coastal Planning and Management
- Environmental Biology
- Geology
- Human Geography
- Medicinal Chemistry
- Physical Geography

Other Information

For further information regarding any of the Master of Science majors please contact the Faculty of Science Office, or telephone +61 2 4221 3530.

Web site: www.uow.edu.au/science

Master of Science (Biotechnology)

The Master of Science (Biotechnology) is designed for graduates who seek knowledge and technological expertise in specific areas of cell and molecular biology, which are the basis for modern biotechnological research and development. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects as listed below chosen in consultation with the Biotechnology Masters Coordinator.

Course Program

Subjects		Session	Credit Points
BIOL980	Biotechnology	Autumn	12
BIOL981	Molecular Cell Biology	Autumn	12
BIOL982	Infection and Immunity	Spring	12
BIOL984	Applied Bioinformatics	Spring	12
Optional Subjects			
The following subjects may be substituted for one or more of the core subjects after consultation with the Biotechnology Masters Coordinator.			
BIOL991	Major Research Project	Autumn, Spring or Summer	24
BIOL992	Literature Review	Autumn, Spring or Summer	12
BIOL993	Research Project	Autumn, Spring or Summer	12

Contact Information

The Coordinator of this Major is Dr Ren Zhang, School of Biological Sciences, Room 35.124B, Telephone +61 2 4221 3427, email: rzhang@uow.edu.au

Master of Science (Chemistry)

This program is designed for applicants from industry or education who wish to extend their grounding in chemistry theory beyond the undergraduate level. It also provides an alternative route to subsequent PhD studies for students who do not possess a Bachelor of Science Honours degree. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects from the following list, as approved by the Course Coordinator.

Course Program

Subjects		Session	Credit Points
CHEM914	Advanced Analytical Chemistry	Autumn	12
CHEM964	Elucidating Molecular Structure	Autumn	12
CHEM991	Intelligent Materials and their Applications	Spring	12
CHEM993	Advanced Organic Synthesis and Reactivity	Spring	12
CHEM994	Environmental Chemistry and Climate Change	Autumn	12
Possible substitutions:			
CHEM915	Chemistry Laboratory Project	Autumn or Spring	12
CHEM919	Literature Report in Chemistry	Autumn or Spring	12

Other Information

The Coordinator of this Major is Associate Professor Stephen Ralph, School of Chemistry, Room 18.226, Telephone +61 2 4221 4286, email: sralph@uow.edu.au

Master of Science (Coastal Planning and Management)

This coursework program is designed to produce graduates able to assess, plan and manage the range of environmental and social issues experienced in coastal regions. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects from the following list, as approved by the Course Coordinator.

Course Program

Subjects		Session	Credit Points
ENVI923	Environmental Planning	Autumn	12
Plus one subject selected from the following two subjects:			
EESC902	Advanced Coastal Environments: Processes and Management	Spring	12
EESC916	Coastal Population Studies	Autumn	12
Plus 24 credit points selected from:			
EESC902	Advanced Coastal Environments: Processes and Management	Spring	12
EESC904	Advanced GIS	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC916	Coastal Population Studies	Autumn	12
EESC951	Advanced Topic B	Annual, Autumn, or Spring	8
ENVI912	Directed Studies in Land Resources	Annual, Autumn, or Spring	12
ENVI919	Directed Studies in Environmental Science	Annual, Autumn, or Spring	12
ENVI922	Scientific Basis of Environmental Management	Spring	12
LAW9380	Environmental Law	Spring	8
STS 929	Studies in Resource and Environmental Policy	Autumn	8

Other Information

The Degree Coordinator is Professor John Morrison, School of Earth & Environmental Sciences, Room 41.G27, Telephone +61 2 4221 4377, email: johnm@uow.edu.au

Master of Science (Environmental Biology)

This coursework program is designed for students who seek further knowledge and skills in the biological sciences, or seek to qualify for a postgraduate research degree. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects as listed below, chosen in consultation with the Masters Coordinator.

Course Program

Subjects		Session	Credit Points
BIOL970	Advances in Conservation Biology	Autumn	12

BIOL971	Marine and Terrestrial Ecology	Spring	12
BIOL972	Ecological and Evolutionary Physiology	Autumn	12
MARE973	Advanced Topics in Fisheries and Aquaculture	Spring	12
Alternative Option			
BIOL991	Major Research Project	Autumn, Spring or Summer	24
BIOL992	Literature Review	Autumn, Spring or Summer	12
BIOL993	Research Project	Autumn, Spring or Summer	12
MARE957	Advanced Topics in Molluscan Biology	Summer	12
Or 900- level subjects from other academic units subject to the approval of the Heads of those units and the Masters Coordinator			
Note: Students cannot enrol in subjects where they have completed the equivalent 300- level subjects at this University.			

Other Information

The Coordinator of this Major is Dr Todd Minchinton, School of Biological Sciences, Room 35.G09, Telephone +61 2 4221 5188, email: tminch@uow.edu.au

Master of Science (Geology)

The following coursework subjects have been devised by the School of Earth & Environmental Sciences to meet the needs of students who wish to proceed to the postgraduate level in Geology to enhance their qualifications in an area without undertaking a research project. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects chosen from the subjects listed below, in consultation with the Course Coordinator.

Course Program

Subjects		**Session**	**Credit Points**
EESC901	Advanced Plate Tectonics, Macrotopography and Earth History	Autumn	12
EESC903	Advanced Fluvial Geomorphology and Sedimentology	Autumn	12
EESC904	Advanced Geographic Information Science	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC911	Advanced Isotope Geochemistry	Autumn	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC921	Advanced Environmental Geology	Spring	12
EESC922	Advanced Sediments and Fuels	Spring	12
EESC926	Advanced Resources and Environments	Spring	12
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12

Other Information

The Degree Coordinator is Professor John Morrison, School of Earth & Environmental Sciences, Room 41.G27, Telephone +61 2 4221 4377, email: johnm@uow.edu.au

Master of Science (Human Geography)

The following coursework subjects have been devised by the School of Earth & Environmental Sciences to meet the needs of students who wish to proceed to the postgraduate level in Human Geography to enhance their qualifications in an area without undertaking a research project. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects chosen from the subjects listed below, in consultation with the Course Coordinator.

Course Program

Subjects		Session	Credit Points
EESC904	Advanced Geographic Information Science	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC910	Advanced Social Spaces: Rural and Urban	Spring	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC916	Coastal Population Studies	Autumn	12
EESC917	Advanced Spaces, Places and Identities: Qualitative research design	Autumn	12
EESC918	Advanced Environmental and Heritage Management	Spring	12
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12

Other Information

The Degree Coordinator is Professor John Morrison, School of Earth & Environmental Sciences, Room 41.G27, Telephone +61 2 4221 4377, email: johnm@uow.edu.au

Master of Science (Medicinal Chemistry)

This coursework program provides vocational training in medicinal chemistry, an area where there is currently a high demand for graduates. The program consists of special coursework in medicinal chemistry and a small research project. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects, as approved by the Course Coordinator.

Course Program

Subjects		Session	Credit Points
CHEM930	Introduction to Medicinal Chemistry	Spring	12
CHEM944	Advanced Topics in Medicinal Chemistry	Autumn	12
Plus two subjects (24cp) selected from:			
CHEM914	Advanced Analytical Chemistry	Autumn	12
CHEM964	Elucidating Molecular Structure	Autumn	12
CHEM992	Bioinformatics and Biological Chemistry	Spring	12
CHEM993	Advanced Organic Synthesis and Reactivity	Spring	12
Possible substitutions:			
CHEM915	Advanced Chemistry Laboratory Project	Annual, Autumn, or Spring	12
CHEM919	Literature Report in Chemistry	Annual, Autumn, or Spring	12

Other Information

The Coordinator of this Major is Associate Professor Paul Keller, School of Chemistry, Room 18.222, Telephone +61 2 4221 4692, email: keller@uow.edu.au

Master of Science (Physical Geography)

The following coursework subjects have been devised by the School of Earth & Environmental Sciences to meet the needs of students who wish to proceed to the postgraduate level in Physical Geography to enhance their qualifications in an area without undertaking a research project. After completing the common 24 credit point core of the Master of Science (SCIE911, SCIE912, SCIE913, SCIE914), students complete 48 credit points of discipline specific subjects chosen from the subjects listed below, in consultation with the Course Coordinator.

Course Program

Subjects		Session	Credit Points
EESC901	Advanced Plate Tectonics, Macrotopography and Earth History	Autumn	12
EESC902	Advanced Coastal Environments: Processes and Management	Spring	12
EESC903	Advanced Fluvial Geomorphology and Sedimentology	Autumn	12
EESC904	Advanced Geographic Information Science	Spring	12
EESC905	Advanced Remote Sensing	Autumn	12
EESC912	Advanced Soils, Landscapes and Hydrology	Spring	12
EESC914	Fundamentals of Spatial Science	Autumn or Spring	12
EESC926	Advanced Resources and Environments	Spring	12
EESC950	Advanced Topic A	Annual, Autumn, or Spring	12

Other Information

The Degree Coordinator is Professor John Morrison, School of Earth & Environmental Sciences, Room 41.G27, Telephone +62 1 4221 4377, email: johnm@uow.edu.au

Master of Science and Management

Testamur Title:	Master of Science and Management
Abbreviation:	MScMgmt
Home Faculty:	Science
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Delivery Mode:	On campus
Starting Session(s):	Autumn or Spring
Location:	Wollongong
UOW Course Code:	1614 (Laboratory) 1614A (Non-Laboratory)
CRICOS Code:	Master of Science and Management (Laboratory) 067083E Master of Science and Management (Non-Laboratory) 069588G

Overview

The Master of Science and Management is designed for candidates who wish to extend their grounding in a particular science discipline beyond the undergraduate level. It may provide an alternative route to subsequent PhD studies for high achieving students who do not possess a Bachelor of Science Honours degree. The inclusion of the management component is intended to increase the graduate destination opportunities.

Entry Requirements / Assumed Knowledge

A pass Bachelors degree of at least 3 years duration in a relevant Science, as approved by the Head of School.

Course Requirements

Students will complete 24 credit points of common core subjects, 24 credit points of management subjects and 48 credit points selected from a major study within the Master of Science.

Course Program

Subjects		Session	Credit Points
Common Core Subjects			
SCIE911	Fundamentals of Science Communication	Autumn or Spring	6
SCIE912	Fundamentals of Science Practice	Autumn or Spring	6
SCIE913	Fundamentals of Science Data and IT	Autumn or Spring	6
SCIE914	Current Questions in Science	Autumn, Spring or Summer	6
Management Subjects			
Plus four of the following (or other subjects as approved by the Course Coordinator):			
TBS 901	Accounting for Managers	Autumn	6

Subjects		Session	Credit Points
OR			
TBS 980	International Financial Management	Autumn or Spring	6
TBS 903	Managing People in Organisations	Autumn or Spring	6
OR			
TBS 981	Managing in Multi-National Companies	Autumn	6
TBS 904	Marketing Management	Autumn	6
OR			
TBS 982	Marketing in a Global Economy	Autumn/Spring	6
TBS 905	Economic Analysis of Business	Spring	6
TBS 906	Information Systems for Managers	Spring	6
TBS 920	International Business Strategy	Autumn	6
OR			
TBS 984	International Business	Spring	6
TBS 930	Operations Management	Autumn	6
TBS 935	Project Management	Autumn or Spring	6
TBS 950	Quality in Management	Autumn or Spring	6

Major Study

Plus 48 credit points of Science subjects selected from a major study in the Master of Science. Majors available include:

- Biotechnology
- Chemistry
- Coastal Planning and Management
- Environmental Biology
- Geology
- Human Geography
- Medicinal Chemistry
- Physical Geography

Other Information

For further information contact the Faculty of Science Office, or telephone +61 2 4221 3530.
The Degree Coordinator is Dr Katarina Mikac, Room 41.173, telephone: +61 2 4221 3307, email: kmikac@uow.edu.au

FACULTY OF SCIENCE

BIOL970 Advances in Conservation Biology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: 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-requisite: 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-requisite: 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. This subject may involve the use of animals, animal tissues or animal-derived products in order to achieve specific learning objectives.

BIOL980 Biotechnology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: Recombinant DNA technology and genetic engineering of micro-organisms, plant cells and animal cells. Expression, production and purification of recombinant proteins, cytokines and hormones. Protein expression technology and industrial scale-up. Applications of Biotechnology to the fields of human therapeutics, agriculture, environment protection and forensic diagnostics. Gene slicing, Bioinformatics, ethical and patent issues of Biotechnology.

BIOL981 Molecular Cell Biology

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: 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-requisite: None
Subject Description: This is a coursework subject intended to provide students at MSc level with an understanding of leading edge aspects of microbial pathogens, the immune system, and the ways in which the immune system defends the body against pathogens. The overwhelming majority of students undertaking this subject are enrolled in the MSc(Biotechnology) degree, and take this as one of four subjects required for the degree. This subject will survey the major groups of microbial pathogens before examining the multiple facets of the immune system in humans. The interactions between pathogens and the immune system will be explored, both in theory and as an integrated part of the practical exercises. Technological advances in immunology and immunochemistry that have made major impacts on modern biotechnology will also studied, including monoclonal and 'humanized' antibodies, and recombinant vaccines.

BIOL984 Applied Bioinformatics

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: 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 research paper and deliver a seminar on a relevant aspect of

Bioinformatics.

BIOL991 Major Research Project

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Summer 2012/2013	Wollongong	On Campus

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

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Summer 2012/2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: Under the supervision of staff the student will survey the biological literature and present a written report and a seminar on a topic chosen by the supervisory academic. Before enrolling in this subject, students need to identify a supervisor.

BIOL993 Research Project

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Summer 2012/2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: 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
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides training in generic research skills such as data interpretation and analysis, library skills, literature evaluation, quality control and assurance, and Occupational Health and Safety. In addition, students will carry out directed studies in topics of advanced chemistry, chosen to complement their research interests, in discussion with the course Co-ordinator.

CHEM914 Advanced Analytical Chemistry

Autumn	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: Chemical analysis is an essential part of solving problems in many scientific disciplines. In addition to its application to problem solving, analytical chemists are also interested in improving the way chemical analysis is performed, by making it faster, cheaper, more sensitive and less susceptible to interference. As a result, a vast array of instrumental methods has been developed, each one having its own strengths and weaknesses in a given application. In this subject, our interest is not in the numerical results of chemical analyses, but rather how we obtain these numbers and evaluate their reliability. The principles underlying common instrumental methods will be discussed in lectures, specifically: the measurement technique; instrument development and components; application of the instrument to analysis; and advantages and limitations of the instruments. The accompanying laboratory component will provide an opportunity for hands-on experience with analytical instrumentation.

CHEM915 Advanced Chemistry Laboratory Project

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Appropriate degree.
Co-requisite: None
Subject Description: Under the supervision of a staff member appointed by the Head of School, students will undertake a laboratory project and present a written report, poster and a seminar on a topic chosen by the supervising staff member.

CHEM919 Literature Report in Chemistry

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Appropriate degree.
Co-requisite: None
Subject Description: Students in this subject undertake a literature search on recent advances in a research topic in chemistry. The topic is chosen in consultation with their supervisor and the course coordinator. A substantial report is the written outcome and the students meet in regular tutorials with their supervisor to discuss issues raised in the topic and compilation of the report.

CHEM930 Introduction to Medicinal Chemistry

Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject covers chemical aspects of the design, physiological activity and metabolism of therapeutic/diagnostic drugs. The theoretical component covers: cellular targets for drug action (theoretical aspects and case studies), an overview of approaches to drug discovery, structure-activity relationships and computer-aided methods physicochemical properties and drug action, stereochemistry/chirality and drug action, drug metabolism, drug resistance, pro-drug strategies and organic and inorganic medicinal agents. In addition a guest lecturer from a pharmaceutical company will give a 2 hour lecture on current issues and strategies for successful drug design, research and marketing. Students will also undertake electives on 'advanced' medicinal chemistry topics. Laboratory: The subject also includes a 13 week (3 hr/week) laboratory component which involves organic

synthesis (combinatorial peptide synthesis, sulphonamide synthesis), characterisation techniques (nmr, UV/Vis, mass spectrometry, infrared spectroscopy), enzyme inhibition studies, and anti-bacterial testing.

CHEM940 Contemporary Topics in Biomolecular Chemistry

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This unit gives students a good grounding in modern aspects of biomolecular chemistry. The exact course of study will vary depending on the student's background and interests. It may include studies of advanced methods of synthesis; studies of molecular structure via spectroscopy and modelling; and biological chemistry and bioinformatics. In addition, students undertake a directed studies program. This will vary from student to student depending on their interests, but will involve a small project in which they are given a research problem in biomolecular science to solve. This may take the form of a synthetic target or data to analyse. Students will present their findings by means of a report.

CHEM944 Advanced Topics in Medicinal Chemistry

Autumn	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This is a specialist subject in aspects of medicinal chemistry and related areas. Topics can include: structure-based ligand design (including computer-aided drug design); structure-pharmacological property relationships; synthesis and applications of radiopharmaceuticals; drug stability and formulation; toxicology and metabolism; advanced synthetic chemistry (including asymmetric synthesis and chiral drugs); bioactive natural products and drug development (including medicinal plant studies), toxicology and advanced proteomics.

CHEM950 Contemporary Topics in Analytical and Environmental Chemistry

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This unit gives students a good understanding in modern aspects of environmental chemistry and related analytical techniques. The exact course of study will vary depending on the student's background and interests. It may include modules of study of: atmospheric processes and their chemistry; water and soil chemistry and analysis; environmental sampling; instrumental analysis; Quality Control/Quality Assurance/ Total Quality Management. In addition, students undertake a small project in which they are given a research problem in environmental chemistry to solve. This may take the form of a pollution or remediation/disposal problem or data to analyse. Students will present their findings by means of a report.

CHEM964 Elucidating Molecular Structure

Autumn	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: Determining the structure of a molecule is the key to unlocking its chemical or biological activity. In the 21st century there are numerous approaches for determining molecular structure. These include: experimental spectroscopic techniques and theoretical predictions, which make use of the increasing power of computers. The combinations of experimental and theoretical techniques are powerful and complementary methods for determining molecular structure and reactivity. CHEM964 is a multi-faceted masters-level subject covering the fundamentals of computational chemistry and spectroscopy and their applications to problems of molecular structure determination. Students will gain experience in conducting and interpreting, electronic structure calculations, optical (infrared, visible & ultraviolet) spectroscopy, mass spectrometry, and nuclear magnetic resonance spectroscopy. A formal treatment of molecular symmetry is also included. Applications of these methods to organic, inorganic, biological and gas-phase systems are covered.

CHEM991 Intelligent Materials and their Applications

Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: CHEM991 is designed to provide students with an introduction to materials chemistry. It examines a variety of different classes of both traditional chemical materials such as organometallic compounds and typical synthetic polymers, as well as more modern materials including nanotubes, nanoparticles and inherently conducting polymers. In addition students learn how other novel materials, including molecular machines, can be prepared by using weak intermolecular forces to form assemblies of molecules (supramolecular chemistry).

CHEM992 Bioinformatics and Biological Chemistry

Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: CHEM992 is divided into three lecture strands of approximately equal length: (i) Bioinformatics, (ii) Biological macromolecules (proteins and nucleic acids) - structure and function, and (iii) Proteomics. In the practical course, bioinformatics will be explored in computer-based tutorials and practicals. Databases for nucleic acid and protein sequences, structures and other parameters of biological molecules, plus linkages to the scientific literature, will be used to extract information and to compare and analyse these data. Proteomics and protein and nucleic acid structure will also be investigated via computer-based practicals. In the laboratory, the sequence of a dipeptide will be determined and structure/function aspects of the protein, lysozyme, will be analysed. In addition, students will use their background in the knowledge of the structure of DNA and the ways in which drugs bind non-

covalently with double-stranded DNA to investigate the stoichiometry of the binding of the minor groove binding drug, 4',6-diamido-2-phenyl indole (DAPI), to various DNA sequences. The technique to be used will be electrospray ionization mass spectrometry (ESI-MS).

CHEM993 Advanced Organic Synthesis and Reactivity

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject introduces students to the theory and practice of modern organic chemistry. Topics covered include: Reactive intermediates (generation, determination, reaction) such as free radicals, carbenes, and arenes; Stereochemistry and enantioselective synthesis; NMR spectroscopy: including NMR theory and practical applications, spectra acquisition and interpretation, and physical detection of stereochemistry by NMR; Synthesis of carbocyclic compounds; Heterocyclic synthesis: reactions and applications of common heterocycles; Molecular modelling: hands-on experience with computer modelling.

CHEM994 Environmental Chemistry and Climate Change

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: The environment depends on complex interactions of chemical, physical and biological processes. These can be both natural and anthropogenic in origin and change with time. In this subject the chemical aspects are highlighted in strands including: atmospheric chemistry, aquatic chemistry and soil chemistry. This subject also investigates methods for assessing the chemical state of the environment.

EESC901 Advanced Plate Tectonics, Macrotopography and Earth History

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
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-requisite: 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 morphodynamics, 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-requisite: None
Subject Description: Rivers play a dynamic role in shaping the Earth's landforms (geomorphology), constructing sedimentary sequences of economic importance (sedimentology), and presenting flood and erosion hazards, all of which greatly influence human use of the Earth's surface. This subject examines processes forming and modifying contemporary drainage basins, interprets fluvial sedimentary records and relates changes in these records to variations in climate and depositional environment. Particular attention is given to human modification and the management of river systems.

EESC904 Advanced Geographic Information Science

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: EESC914 or equivalent
Co-requisite: None
Subject Description: This subject builds upon the concepts and software skills developed in EESC914 to develop your ability to act as an independent problem-solver, ready to use GIS either for further research or in a job setting. Over the semester you will build this ability by working together as a class to complete a real-world GIS project from 'start to finish'. You will work in teams during lectures to design the project based on relevant examples from the academic literature. You will work independently in the practical sessions to carry out the analysis for the project. At the end of the semester, you will produce a report of project results in the form of an article for submission to a journal. For the final exam, you will describe a research plan for a GIS project in your own area of interest. You will then follow this up with an intensive targeted literature review to further develop the research plan.

EESC905 Advanced Remote Sensing of the Environment

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: EESC914 or equivalent
Co-requisite: 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-requisite: 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-requisite: 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-requisite: 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-requisite: None
Subject Description: The interdependence of landform, hydrology and soil, together with time and place, are the major factors influencing landscape evolution. This subject examines denudation of highlands; survival of ancient landscapes; climatic and geomorphic controls on landforms; erosion; weathering processes and the formation of soils, laterites, silcretes and calcretes; soil surveying: environmental records of lakes; groundwater and surface-water processes and chemistry; dating of land-surfaces and groundwater; the hydrological cycle.

EESC914 Fundamentals of Spatial Science

Autumn Wollongong On Campus
Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to provide students at the MSc level with a comprehensive introduction to the theory and practice of dealing with geospatial technologies, collectively termed 'spatial science'. Spatial science draws upon concepts, tools and skills from several other related disciplines (primarily geography, cartography and computer science) and technologies (GIS, remote sensing, GPS). Students enrolling in this subject will have no prior background in this area. Thus, they will require the same basic knowledge and skill development at the start of the subject as the undergraduate students (attending same lectures and practicals). However, towards the end of the semester (once the knowledge and skills have been obtained), they will be asked to conduct an extensive literature review and use it, combined with all they have learned throughout the semester, to develop a professionally written proposal for a spatial science project in their area of interest. This report will take several weeks of dedicated time to complete and is heavily weighted (40%) in the assessment of the subject.

EESC916 Population Geography: a global perspective on people and place

Autumn Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to introduce students to a range of social, cultural, economic and environmental issues that affect how populations grow, change and move throughout the world. The implications of these population trends and issues for coastal societies and coastal environments are explored. The lecture content is designed to enable students to critically study how geographers analyse population issues and how this analysis overlaps with other disciplines. In practical classes, students will conduct a questionnaire-based research project on an issue affecting coastal populations, and learning core skills in data analysis along the way.

EESC917 Advanced Spaces, Places and Identities: Qualitative research design

Autumn Wollongong On Campus
Credit Points: 12

Pre-requisites: None
Co-requisite: 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-requisite: 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-requisite: 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.

EESC922 Advanced Sediments and Fuels

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: The subject presents a higher level introductory overview of palaeoenvironmental analysis based on the interpretation of information from marine and marginal marine sedimentary successions and their contained fossil faunas. The nature of marine and marginal marine sedimentary environments, their resultant facies and ichnofacies is presented. Topics covered include facies analysis of clastic high- and low-energy shelf sediments; evaporites; reefs and cool-water carbonates; deep sea sediments. Sediment transport mechanisms in marine and coastal environments are also explored. An introduction to the palaeoecological significance of several significant marine invertebrate phyla is also presented. Seismic exploration techniques and the assessment of coal and petroleum resources are also reviewed.

EESC926 Advanced Resources and Environments

Spring Wollongong On Campus
Credit Points: 12
Pre-requisites: Enrolment in MSc (Geology), MSc (Physical Geography) or MEnvSc
Co-requisite: None
Subject Description: This subject will examine the geological setting of various ore deposits and modern exploration techniques being employed to discover new deposits. It will have an applied approach focusing on the identification of common economic minerals and textures. Students will develop strong field observational skills around mineralized areas during a five day field mapping trip to mining districts around Orange/Parkes. They will be tested on their understanding of mineralizing processes in relation to different geological/tectonic environments. Students will be given a particular mine or prospect to critically review and apply the practical skills learnt in the field to evaluate the potential for further discoveries in the region. Developing the skills to fully research the geology and mining history of an area will accurately reflect the exploration process carried out in the mining industry.

EESC950 Advanced Topic A

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Spring2012/Autumn2013 Wollongong On Campus
Summer 2012/2013 Wollongong On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will consist of a library and/or laboratory study on some topical aspect of earth and environmental sciences equivalent to one half of full-time study.

EESC951 Advanced Topic B

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus
Summer 2012/2013 Wollongong On Campus
Credit Points: 8
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will consist of a library and/or laboratory study on some topical aspect of earth and environmental sciences equivalent to one third of full-time study.

ENVI910 Directed Studies in Environmental Chemistry

Annual Wollongong On Campus
Autumn Wollongong On Campus
Spring Wollongong On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program
Co-requisite: 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 student's background and needs.

ENVI911 Directed Studies in Ecology

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program
Co-requisite: 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
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program or MSc (Coastal Planning)
Co-requisite: None
Subject Description: This subject will examine coastal, river, water and soil management focussing on human induced changes to these natural systems. Emphasis will usually be given to geomorphological processes, remote sensing of land and biological resources.

ENVI913 Directed Studies in Earth Sciences

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program
Co-requisite: None
Subject Description: Topics include the relationship of mining operations to communities; composition of mine waters, dusts and stack emissions; reclamation of mine sites; effects of mine subsidence; the composition, uses and disposal of waste residues; environmental effects of pollution, erosion and deposition; environmental impact studies.

ENVI919 Directed Studies in Environmental Science

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus
Spring2012/Summer2012	Wollongong	On Campus
Summer 2012/2013	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program, MSc (Coastal Planning) or seek permission from the Coordinator of Postgraduate Environmental Science programs.
Co-requisite: None
Subject Description: In this subject students will undertake either a major literature review or carry out a practical study on a problem of current environmental interest. The work will normally be related to one of the ongoing activities of the Faculty of Science, giving the student the opportunity to become well acquainted with a particular aspect of environmental science. International students will be encouraged to undertake activities with significant relevance to their home countries.

ENVI922 Scientific Basis of Environmental Management

Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: Must be enrolled in Environmental Science Postgraduate program or MSc (Coastal Planning)
Co-requisite: 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-requisite: None
Exclusions: Not to count for credit with ENVI921
Subject Description: This subject presents material necessary for a comprehensive overview of the status and development of environmental planning in government and industry. In the subject, students are introduced to the principles of environmental planning. This is followed by presentations from staff from a wide range of organisations involved in environmental planning. Students learn from academic staff and environmental practitioners, the mechanisms, difficulties and benefits of current planning activities in Australia. While there is some emphasis on the Australian situation, reference to activities in other countries is also included, in addition to aspects of the global situation regarding environmental planning.

ENVI930 Thesis

Annual	Wollongong	On Campus
Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 24
Pre-requisites: None

Co-requisite: None
Subject Description: A research topic in an area of environmental science will be selected by each candidate after consultation with the degree co-ordinator. The thesis will be supervised by staff from the appropriate unit(s).

ENVI931 Thesis

Annual	Wollongong	On Campus
Spring2012/Autumn2013	Wollongong	On Campus

Credit Points: 32
Pre-requisites: None
Co-requisite: None
Subject Description: A research topic in an area of environmental science will be selected by each candidate after consultation with the degree co-ordinator. The thesis will be supervised by staff from the appropriate unit(s).

MARE973 Advanced Topics in Fisheries and Aquaculture

Spring	Wollongong	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will provide an overview of fisheries biology and aquaculture (vertebrate and invertebrate) including: the diversity of Australian and international fisheries and their key challenges; relevant ecological issues (population dynamics, transport processes, stock identification); predictive modelling, fisheries management; secondary impacts of fisheries; the diversity of aquaculture; case studies in aquaculture; ecological impacts, potential for enhancement of fisheries. Literature review examining contemporary research in ecology (tailored to the specialisations of MSc students enrolled in the subject).

SCIE911 Fundamentals of Science Communication

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to ensure that all students entering the Master of Science are aware of, and have opportunity to develop competency in, the types and level of language communications necessary for successful engagement in science subjects at UOW. Students will examine and produce various types of communication that learning (and assessing learning) in science depends on, including spoken and written reports for specific audiences. Reports will be based on published information, student lab notes and/or other data. The emphasis is on the development of practical skills in finding, using and re-purposing various types of scientific information, in using academic English and in teamwork, as well as on understanding the design and marking criteria of assessment tasks encountered throughout the degree program.

SCIE912 Fundamentals of Science Laboratories

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to ensure that all students entering the Master of Science (by course work) are aware of, and have the opportunity to develop competency in standard laboratory techniques and field skills that are necessary for successful engagement in science subjects at UOW. Fundamentals of Science Practice (SCIE912) draws upon the use and understanding of standard laboratory and field techniques while incorporating the use of scientific language (spoken and written) skills learnt in SCIE911 (Fundamentals of Communicating the Sciences) and the numeracy and statistical skills developed in SCIE913 (Fundamentals of Science Data & IT). Scientific reports in this subject will be based on laboratory (and field) practical exercises conducted in class. The emphasis is on the development of practical skills in the laboratory (and field) and consolidation of these skills with finding and interpreting scientific data, in using academic English and in teamwork, as well as on understanding the design and marking criteria of assessment tasks encountered throughout the degree.

SCIE913 Fundamentals of Science Data and IT

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to ensure that all students entering the Master of Science are aware of, and have opportunity to develop competency and skills in descriptive and inferential data analysis and data manipulation that are necessary for successful engagement in science subjects at UOW. Students will explore and analyse scientific data fundamental to understanding how scientific data and information are generated and translated into peer reviewed scientific journal articles, conference presentations and Government/industry reports. Data analysis in science draws upon use the use and understanding of data analysis and manipulation software and also incorporates the use of scientific language (spoken and written) skills learnt in SCIE911, Fundamental of Communicating the Sciences. Scientific reports in this subject will be based on data sets used in class. The emphasis is on the development of practical skills in finding, using and re-purposing various types of scientific data, in using academic English and in teamwork, as well as on understanding the design and marking criteria of assessment tasks encountered throughout the degree program.

SCIE914 Current Questions in Science

Autumn	Wollongong	Flexible
Spring	Wollongong	Flexible
Summer 2012/2013	Wollongong	Flexible

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to ensure that all students entering the Master of Science (by course work) are aware of, and have the opportunity to develop an understanding of current research issues in the major scientific disciplines of Biology, Physics, GeoScience and Chemistry that are necessary for successful engagement in science subjects at UOW. Current Questions in Science (SCIE914) integrates the: (1) use and understanding of standard laboratory and field techniques developed in SCIE12 (Fundamentals of Science Practice); (2) scientific language (spoken and written) skills learnt in SCIE911 (Fundamentals of Communicating the Sciences); and (3) numeracy and statistical skills developed in SCIE913 (Fundamentals of Science Data & IT). In SCIE912 emphasis is placed on the integration of literacy, numeracy and practical knowledge in

science to interpret, evaluate and discuss current research in the core scientific disciplines of Biology, Physics, GeoScience and Chemistry. The integration of these skills is fundamental to gaining a solid grasp of modern/ current questions in science. Through the exploration of these scientific disciplines students will consolidate and apply their skills in science communication (orally and in a written format) and data analysis and interpretation. Teamwork is fostered through online discussion of topical issues in Biology, Physics, GeoScience and Chemistry.

RESH900 Fundamentals for HDR Writing

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description:

RESH901 Fundamentals for HDR Writing

Autumn	Wollongong	On Campus
Spring	Wollongong	On Campus

Credit Points: 0
Pre-requisites: None
Co-requisite: None
Subject Description:

Sydney Business School

Courses Offered

Research Degrees

Doctor of Business Administration *(see page 368)*
Doctor of Philosophy *(see page 369)*
Doctor of Philosophy (Integrated) *(see page 370)*
Master of Business - Research *(see page 371)*
Master of Health Services - Research *(see page 371)*

Coursework Degrees

Graduate Certificate in Business *(see page 372)*
Graduate Certificate in Business Administration *(see page 373)*
Graduate Certificate in Business Wellbeing *(see page 374)*
Graduate Certificate in Business Coaching *(see page 374)*
Graduate Certificate in Health Services Research and Development *(see page 375)*
Graduate Certificate in Innovation and Entrepreneurship *(see page 376)*
Graduate Certificate in International Business *(see page 377)*
Graduate Certificate in Logistics *(see page 377)*
Graduate Certificate in Management *(see page 378)*
Graduate Certificate in Project Management *(see page 379)*
Graduate Certificate in Retail Management *(see page 380)*
Graduate Certificate in Survey and Market Research Methods *(see page 381)*
Graduate Diploma in Business Administration *(see page 382)*
Master of Business Administration *(see page 383)*
Master of Business Administration (Executive) *(see page 384)*
Master of Business Administration Advanced *(see page 385)*
Master of Business Coaching *(see page 386)*
Master of International Business *(see page 387)*
Master of Management *(see page 388)*
Master of Project Management *(see page 389)*
Master of Retail Management *(see page 390)*
Master of Science (Logistics) *(see page 391)*
Master of Survey and Market Research Methods *(see page 392)*

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

Doctor of Business Administration

Testamur Title:	Doctor of Business Administration
Abbreviation:	DBA
Home Faculty:	Sydney Business School
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Starting Session(s):	Trimester 1
Delivery Mode:	On Campus (Face-to-Face)
Location:	Innovation Campus (Wollongong)
UOW Course Code:	207
CRICOS Code:	047174A

Overview

The DBA is an advanced postgraduate research degree that focuses on professional business practice, providing experienced managers with research skills that can be applied to issues of organisational leadership. The course is designed to provide a framework that will enable participants to expand their knowledge in one or more business areas, drawing on the disciplinary expertise of faculties across campus. The course is designed to build on the existing strengths of the participants and provide a formal educational opportunity for them to develop and apply business research skills, enhance their understanding of contemporary management theories, and gain a competitive advantage in business.

Entry Requirements

Students will have as a minimum, a relevant first degree, but more commonly a Masters 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 Masters degree and limited work experience may be accepted.

Applications must be accompanied by a 2,000 word proposal which should outline the main focus of the applicant's research interest, a commentary on important and recent literature in this area, and a discussion of why this is an important area of research. All proposals must acknowledge sources correctly. Proposals may be checked using a plagiarism checking system. Research interests should be related to topics listed on the Sydney Business School website.

International applicants must also meet the University's English Language requirements as set out at http://www.uow.edu.au/future/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 Full Time	48
For session details please refer to the Subject Timetable.		

Other Information

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

Doctor of Philosophy

Testamur Title:	Doctor of Philosophy
Abbreviation:	PhD
Home Faculty:	Sydney Business School
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Starting Session(s):	Autumn, Spring
Delivery Mode:	Supervised Individual Research
Location:	Innovation Campus (Wollongong)
UOW Course Code	201
CRICOS Code:	059329K

Overview

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

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

- Logistics and Supply Chain Management
- Management Systems
- Corporate Recovery and Turnaround Strategy
- Organisational Behaviour
- Financial Management of Enterprises
- Financial Restructuring
- Strategic Management
- Corporate Governance and Business Ethics
- International Business Strategy
- Labour Regulation in the Global Economy
- Public Policy and Public Administration
- Health Management and Policy Development

Applications must be accompanied by a 2,000 word research proposal outlining the main focus of the applicant's research interest, a commentary on important and recent literature in this area, and a discussion on why this is an important area of research. All proposals must acknowledge sources correctly. Proposals may be checked using a plagiarism checking system.

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

Other Information

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

Doctor of Philosophy (Integrated)

Testamur Title:	Doctor of Philosophy (Integrated)
Abbreviation:	PhD
Home Faculty:	Sydney Business School
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Coursework and Supervised Individual Research
Starting Session(s):	Trimester 1
Location:	Innovation Campus (Wollongong)
UOW Course Code:	210
CRICOS Code:	072794J

Overview

The PhD (Integrated) is a four year research degree which integrates a traditional three year PhD thesis with one year of coursework comprising generic research training and discipline-specific content into a single degree.

Entry Requirements

Applicants will have a minimum of four years of study at a degree level, either a four year Bachelor degree, or a Bachelor degree plus Masters by Coursework, with a minimum Credit average (65% or 3.0GPA out of 4.0), or equivalent.

Applications must be accompanied by a 2,000 word proposal describing the candidate's preferred area of research interest.

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

Course Requirements

Students will be required to complete one year of coursework, comprising research training skills and individual coursework subjects. Students who successfully complete their first year, with an average of 65%, including 65% in each research training skills subject, will be required to complete three years of research. The research component is the same as for the three year PhD program and leads to production of a written thesis. Students not meeting progression requirement into Year 2, may be offered an alternative of transferring into a Masters program.

Coursework Program

Core Subjects		**Credit Points**
TBS997	Research Foundations 1: Literature Review	12
TBS996	Research Foundations 2: Research Methodology	12
TBS972	Current Issues in Business*	12
TBS973	Business Development*	12
Plus, candidates enrol in THES924 (24 cp, full time) or THES912 (12 cp, part time) which represents three years of study, for full time students or part time equivalent.		

*Note TBS972 and TBS973 may be substituted with other suitable subjects with approval

For areas of research offered by the Sydney Business School, please refer to the topics available for the Doctor of Philosophy degree.

Other Information

Additional Information is available from www.uow.edu.au/sbs or email sbs@uow.edu.au

Master of Business - Research

Testamur Title:	Master of Business – Research
Abbreviation:	MBus-Res
Home Faculty:	Sydney Business School
Duration:	1.5 years full-time or part-time equivalent
Total Credit Points:	72
Starting Session(s):	Trimester 1
Delivery Mode:	On Campus (Face-to-Face)
Location:	Innovation Campus (Wollongong), Sydney
UOW Course Code:	1338
CRICOS Code:	068082J

Overview

The Master of Business – Research is designed for students who would like to study a higher degree research program, but are hesitant to commit to the Doctor of Philosophy (PhD) or the Doctor of Business Administration (DBA) degrees. The program is suitable for those who are working in middle management positions and aspire to progress to a senior management role. The coursework component of the degree allows students to develop the appropriate research skills to complete the thesis which follows.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised tertiary institution with an average of at least 60%.

Course Requirements

Candidates are required to complete 24 credit points of coursework and a 48 credit point thesis.

Course Program

Core Subjects		Credit Points
TBS 997	Research Foundations 1: Literature Review	12
TBS 996	Research Foundations 2: Research Methodology	12
THES912	Thesis Part Time or,	48
THES924	Thesis Full Time	48

For session details at each location please refer to the Subject Timetable.

Credit Arrangements

The Master of Business – Research may be used as a pathway into the Doctor of Philosophy (PhD) or the Doctor of Business Administration (DBA). Upon completion of the Master of Business – Research, students may apply to progress to the Doctor of Business Administration (DBA) with credit for subjects previously completed.

Other Information

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

Master of Health Services - Research

Testamur Title:	Master of Health Services - Research
Abbreviation:	MHlthServ-Res
Home Faculty:	Sydney Business School
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	72
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1
Location:	Sydney
UOW Course Code:	1339
CRICOS Code:	N/A

Overview

The Master of Health Services -Research is a research degree designed for experienced professionals who wish to develop their health research skills in order to operate effectively in an increasingly complex environment. This course is aimed to suit the needs of a wide variety of careers including those working in: policy, planning and public health units of health agencies, universities, health research units and centres, clinical units and other sections of the health industry. Master of Health Services -Research students develop a portfolio of key research competencies that range

from qualitative and quantitative research skills, to health economics and evaluation techniques and apply the core skills from the Graduate Certificate in Health Services Research to an approved research topic in the health services field.

Entry Requirements

Applicants must have a Bachelor degree from a recognised institution and at least 2 years relevant professional experience.

Course Requirements

Candidates will be required to complete 72 credit points as follows:

Core Subjects		Credit Points	Delivery method(s)
TBS975	Health Services Research Design	6	Lectures/ tutorials
TBS976	Quantitative Analysis for Health Services Research	6	Lectures/ tutorials
TBS977	Health Services Evaluation and Development	6	Lectures/ tutorials
TBS978	Health Economics Principles and Research Methods	6	Lectures/ tutorials
THES912 or THES924	Health Services Research Thesis (part-time) or Health Services Research Thesis (full-time)	48	Thesis

*For session details please refer to the Subject Timetable.

Other Information

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

Graduate Certificate in Business

Testamur Title:	Graduate Certificate in Business
Abbreviation:	GCertBus
Home Faculty:	Sydney Business School
Duration:	3 months full-time (one trimester) or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1, 2, 3
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 Sydney Business School. It can be packaged with an offer of admission to the following degrees:

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

The Graduate Certificate may be suitable for students who do not meet either:

The English language requirement for direct entry to a Master degree which requires an IELTS overall score of 6.5. The Graduate Certificate entry requirement is an IELTS score of 6.0.

or,

The academic requirements for direct entry into Master degrees. For example, if you have a Bachelor degree but do not have the required content for direct entry, or have other appropriate combinations of academic qualifications and relevant professional experience.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised institution. Applicants with other academic qualifications and/or relevant professional experience (for example two years full-time study along with two years relevant work experience) may also be considered

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

Course Requirements

Candidates are required to complete a total of four (4) subjects (24 credit points) as approved by the Program Director. In 2012 the recommended program of study will be:

Core Subjects		Credit Points
TBS 902	Statistics for Decision Making	6
TBS 956	Foundations in Business Studies	6
TBS 957	Introduction to Contemporary Business Practice	6
TBS 985	Communication for International Business	6

Credit Arrangements

Upon successful completion of the Graduate Certificate in Business with an average mark of at least 60%, students may apply to enrol in either the Master of International Business, Master of Management, Master of Project Management, Master of Retail Management or Master of Science (Logistics) degrees. Students will not be eligible for credit transfer for subjects completed under the Graduate Certificate in Business pathway program towards their subsequent Masters degree.

Other Information

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

Graduate Certificate in Business Administration

Testamur Title:	Graduate Certificate in Business Administration
Abbreviation:	GCertBusAdmin
Home Faculty:	Sydney Business School
Duration:	3 months full-time (one trimester) or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1, 2, 3
UOW Course Code:	1126
CRICOS Code:	029139J

Overview

The Graduate Certificate in Business Administration is available for students who wish to study the fundamental concepts of management. This program is aimed at providing practising managers with key management competencies and skills, including analytical and evaluation techniques.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised tertiary institution with an average mark of at least 60%, along with a minimum of two years full-time relevant professional or managerial work experience.

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

Course Requirements

Candidates are required to complete four (4) subjects (24 credit points) selected from the list of Master of Business Administration core subjects as approved by the Program Director.

Credit Arrangements

Upon completion of the Graduate Certificate in Business Administration students may articulate in to the Graduate Diploma in Business Administration or Master of Business Administration. Students may also apply for other programs and apply for credit for subjects completed under the Graduate Certificate.

Other Information

University of Wollongong Doctor of Philosophy (PhD) students enrolled in faculties other than the Sydney Business School and the Faculty of Commerce may apply to enrol in this degree concurrently. Candidates must be currently enrolled in a Doctor of Philosophy at the University of Wollongong in order to be eligible to apply. For further information, please contact the Sydney Business School.

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

Graduate Certificate in Business Wellbeing**

Testamur Title:	Graduate Certificate in Business Wellbeing
Abbreviation:	GCertBusWell
Home Faculty:	Sydney Business School
Duration:	15 months (four trimesters) part-time
Total Credit Points:	24
Location:	Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 3
UOW Course Code:	1191
CRICOS Code:	N/A

** subject to approval

Overview

The Graduate Certificate in Business Wellbeing gives students a foundation in the science of wellbeing and the opportunity to apply it in business contexts.

The focus of the Graduate Certificate is to integrate applied positive psychology, assessment of individual and organisational wellbeing to develop positive organisations. Innovative and experiential course material will conclude with an applied project integrating the material with strategy and change principles of an organisation chosen by the student.

Entry Requirements

Applicants must have a relevant undergraduate qualification. Applicants with a relevant professional qualification (minimum 2 years full-time study) along with at least two years relevant professional work experience may also be admitted.

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

Course Requirements

Candidates are required to complete four subjects (24 credit points) as listed below:

Course Program

Core Subjects		Credit Points
TBS 869	Applied Positive Psychology	6
TBS 887	Positive Organisations	6
TBS 888	Assessing Business Wellbeing	6
TBS 889	Business Wellbeing Project	6

Other Information

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

For further information please contact Dr Lindsay Oades, Program Director, email loades@uow.edu.au, Tel. +61 2 4221 3694.

Graduate Certificate in Business Coaching

Testamur Title:	Graduate Certificate in Business Coaching
Abbreviation:	GCertBusCoach
Home Faculty:	Sydney Business School
Duration:	1 year part-time
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1
UOW Course Code:	1169
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.

The focus of the Graduate Certificate is to apply coaching methodologies to business contexts and develop skills such as effective questioning, listening, goal setting and giving feedback.

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/future/international

Course Requirements

Candidates are required to complete four subjects (24 credit points) as listed below:

Course Program

Core Subjects		Credit Points
TBS 963	Introduction to Business Coaching	6
TBS 964	Applied Coaching Skills	6
TBS 969	Positive Psychology in Business	6
TBS 965	Advanced Coaching Skills	6

Credit Arrangements

Upon successful completion of the Graduate Certificate in Business Coaching, students may articulate in to the Master of Business Coaching with credit for subjects completed under the Graduate Certificate. Candidates should consult the Program Director for further information.

Other Information

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

For further information please contact Dr Grace McCarthy, Program Director, email gracemc@uow.edu.au, Tel. +61 2 4221 4880.

Graduate Certificate in Health Services Research and Development

Testamur Title:	Graduate Certificate in Health Services Research and Development
Abbreviation:	GCertHlthServR&D
Home Faculty:	Sydney Business School
Duration:	1 year full-time or part-time time equivalent
Total Credit Points:	24
Location:	Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1
UOW Course Code:	1185
CRICOS Code:	N/A

Overview

The Graduate Certificate in Health Services Research and Development will equip students with basic skills required to understand and conduct health services research. It is designed for experienced professionals who wish to develop their health research skills in order to operate effectively in an increasingly complex environment. This course is aimed to suit the needs of a wide variety of careers including those working in: policy, planning and public health units of health agencies, universities, health research units and centres, clinical units and other sections of the health industry. Graduate Certificate in Health Services Research and Development students will develop a portfolio of key research competencies that range from qualitative and quantitative research skills, to health economics and evaluation techniques.

Entry Requirements

Applicants must have a relevant professional qualification (minimum Bachelor degree from a recognised institution) along with at least 2 years relevant professional work experience.

Course Requirements

Candidates are required to complete four core subjects (24 credit points) as follows:

Core Subjects		Credit Points	Delivery method(s)
TBS975	Health Services Research Design	6	Lectures/ tutorials
TBS976	Quantitative Analysis for Health Services Research	6	Lectures/ tutorials
TBS977	Health Services Evaluation and Development	6	Lectures/ tutorials
TBS978	Health Economics Principles and Research Methods	6	Lectures/ tutorials

For session details please refer to the Subject Timetable.

Credit Arrangements

Upon successful completion of the Graduate Certificate in Health Services Research and Development, students may apply to progress to the Master of Health Services - Research with credit for subjects completed under the Graduate Certificate.

Other Information

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

Graduate Certificate in Innovation and Entrepreneurship

Testamur Title:	Graduate Certificate in Innovation and Entrepreneurship
Abbreviation:	GCertInnov&Entrep
Home Faculty:	Sydney Business School
Duration:	6 months (two trimesters) part-time
Total Credit Points:	24
Location:	Innovation Campus (Wollongong)
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1
UOW Course Code:	1190
CRICOS Code:	N/A

Overview

The Graduate Certificate in Innovation and Entrepreneurship gives students a foundation in business entrepreneurship and the opportunity to develop soft and hard skills, together with business acumen, in order to maximise the likelihood of a future career in an entrepreneurial environment. The program is designed for those who have recently graduated from University or who are considering an entrepreneurial career. Students will develop a business plan that will be presented to a panel of experts who will provide feedback on the viability of the chosen project.

Entry Requirements

Applicants must have a Bachelor degree or equivalent from a recognised tertiary institution or have completed a minimum of three 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/future/international

Course Requirements

Candidates are required to complete four subjects (24 credit points) as listed below:

Course Program

Core Subjects		Credit Points
TBS 842	Entrepreneurship and Innovation	6
TBS 840	Leadership Skills for Entrepreneurs	6
TBS 841	Financial Skills for Entrepreneurs	6
TBS 843	Innovation and Applied Project	6

Other Information

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

Graduate Certificate in International Business

Testamur Title:	Graduate Certificate in International Business
Abbreviation:	GCertIntBus
Home Faculty:	Sydney Business School
Duration:	3 months full-time (one trimester) or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1, 2, 3
UOW Course Code:	1141
CRICOS Code:	047005G

Overview

The Graduate Certificate in International Business provides candidates with the opportunity to study fundamental global business and management issues. This course has an international business strategy focus.

Entry Requirements

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

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

Course Requirements

Candidates are required to complete four (4) subjects (24 credit points) selected from the Master of International Business core subjects as approved by the Program Director.

Credit Arrangements

Upon completion of the Graduate Certificate in International Business, students may articulate in to the Master of International Business degree. Candidates should consult the Program Director for further information.

Other Information

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

Graduate Certificate in Logistics

Testamur Title:	Graduate Certificate in Logistics
Abbreviation:	GCertLog
Home Faculty:	Sydney Business School
Duration:	3 months full-time (one trimester) or part-time equivalent
Minimum Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1, 2, 3
UOW Course Code:	1142
CRICOS Code:	042560J

Overview

In the Graduate Certificate in Logistics degree, candidates will study the concepts of logistics and operations management. This course is designed for professionals and managers working within the logistics and operations management area, providing students with a foundation of skills required to manage the flow of materials and information within and between organisations.

The Graduate Certificate in Logistics is accredited by the Chartered Institute of Logistics and Transport and the Chartered Institute of Purchasing and Supply.

Entry Requirements

Applicants must have a Bachelor degree in a relevant discipline, typically in Commerce, Engineering, Mathematics or IT, from a recognised institution, with an average mark of at least 60%. Applicants who have a Bachelor degree in other disciplines may be admitted, providing they have 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 set out at http://www.uow.edu.au/future/international/apply/english.

Course Requirements

Candidates are required to complete four (4) subjects (24 credit points) selected, in consultation with the Program Director, from the eight (8) core Master of Science (Logistics) subjects listed below:

Course Program

Subjects		Credit Points
TBS 901	Accounting for Managers	6
TBS 908	Supply Chain and Operations Management	6
TBS 912	Quantitative Methods for Decision Making	6
TBS 918	Strategic Supply Chain Management#	6
TBS 928	Logistics Systems	6
TBS 933	Procurement and Inventory Management	6
TBS 935	Project Management	6
TBS 950	Quality in Management	6

TBS908 is a pre-requisite for TBS918

For session details at each location please refer to the Subject Timetable.

Credit Arrangements

Upon completion of the Graduate Certificate in Logistics, students may apply to progress to the Master of Science (Logistics) degree with credit for previous subjects completed within the Graduate Certificate. Candidates should consult the Program Director for further information.

Other Information

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

Graduate Certificate in Management

Testamur Title:	Graduate Certificate in Management
Abbreviation:	GCertMgmt
Home Faculty:	Sydney Business School
Duration:	3 months full-time (one trimester) or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney, Batemans Bay, Bega, Southern Sydney, Moss Vale, Shoalhaven
Delivery Mode:	On Campus (Face-to-Face) at Innovation Campus (Wollongong) Sydney and Southern Sydney campuses
	Video-conferenced to Batemans Bay, Bega, Moss Vale and Shoalhaven
Starting Session(s):	Trimester 1, 2, 3
UOW Course Code:	692
CRICOS Code:	020195G

Overview

In the Graduate Certificate in Management, students will study the fundamental concepts of management and management practice.

Entry Requirements

Applicants must have a relevant tertiary qualification along with at least two years relevant professional work experience.

Those applicants who have five years managerial work experience will be considered for admission.

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

Course Requirements

Candidates are required to complete four subjects (24 credit points) chosen from the overall portfolio of Sydney Business School 900-level coursework subjects offered at each campus in consultation with the Program Director. Programs of study are negotiated on an individual basis with the Program Director.

Credit Arrangements

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

Other Information

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

Graduate Certificate in Project Management

Testamur Title:	Graduate Certificate in Project Management
Abbreviation:	GCertProjMgmt
Home Faculty:	Sydney Business School
Duration:	3 months full-time (one trimester) or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1, 2, 3
UOW Course Code:	1168
CRICOS Code:	061989M

Overview

The Graduate Certificate in Project Management is available for students who wish to study the fundamental principles of project management and build key skills and competencies in this area. The degree consists of core project management subjects and the choice of supporting elective subjects across several key business disciplines, selected by students according to their professional needs.

Entry Requirements

Applicants must have a relevant tertiary qualification with at least two years relevant professional work experience. Those applicants who have five years managerial work experience will be considered for admission to the program.

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

Course Requirements

Candidates are required to complete two (2) core subjects (12 credit points) plus two (2) elective subjects (12 credit points) as approved by the Program Director, from the list below.

Course Program

Core Subjects		**Credit Points**
TBS 935	Project Management	6
TBS 936	Advanced Project Management	6
Elective Subjects		
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain and Operations Management	6
TBS 950	Quality in Management	6
For session details at each location please refer to the Subject Timetable.		

Credit Arrangements

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

Other Information

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

Graduate Certificate in Retail Management

Testamur Title:	Graduate Certificate in Retail Management
Abbreviation:	GCertRetailMgmt
Home Faculty:	Sydney Business School
Duration:	3 months full-time (one trimester) or part-time equivalent
Total Credit Points:	24
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1, 2, 3
UOW Course Code:	1167
CRICOS Code:	061988A

Overview

The Graduate Certificate in Retail Management will provide students with skills and competencies specific to the retail sector in the disciplines of management and marketing. The degree also offers a choice of supporting elective subjects across several key business disciplines, selected by students according to their professional needs.

Entry Requirements

Applicants must have a relevant tertiary qualification with at least two years relevant professional work experience.

Those applicants with five years managerial work experience will be considered for admission to the program.

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

Course Requirements

Candidates are required to complete two (2) core subjects plus select two (2) elective subjects, in consultation with the Program Director, totalling 24 credit points, as listed below:

Course Program

Core Subjects		**Credit Points**
TBS 945	Retail Management	6
TBS 946	Retail Marketing	6
Elective Subjects		
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6
TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain and Operations Management	6
TBS 922	Management Project*	6
* Topic to be negotiated with the Program Director to meet individual students' development needs and work environment. For session details at each location please refer to the Subject Timetable.		

Credit Arrangements

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

Other Information

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

Graduate Certificate in Survey and Market Research Methods

Testamur Title:	Graduate Certificate in Survey and Market Research Methods
Abbreviation:	GCertSurvMResMethods
Home Faculty:	Sydney Business School
Duration:	1 year part-time
Total Credit Points:	24
Location:	Sydney
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1
UOW Course Code:	1186
CRICOS Code:	N/A

Overview

The Centre for Statistical and Survey Methodology (CSSM) and the Sydney Business School (SBS) are working together to improve the quality of survey-based research in Australia by providing development opportunities and encouraging research into relevant survey research methodologies. A program consisting of a Graduate Certificate and coursework Masters degree will provide the foundations to the development of high quality professionals in survey methodology and research. The program is aimed at improving the quality of social, market and scientific research in Australia by providing development opportunities for people in government, industry and research centres and encouraging research into relevant methodologies. The course objective is to provide up-to-date and high quality education in survey methodology and research and to reinforce the position of CSSM at UoW as the premier centre of excellence in Australia in survey methodology**.**

Entry Requirements

Applicants must have a relevant professional qualification (minimum Bachelor degree from a recognised institution) or 5 years relevant industry experience.

Course Requirements

Candidates are required to complete four core subjects (24 credit points) as follows:

Subject Code	Subject Name	Credit Points	Delivery method(s)
SRMP901	Introduction to Research Design and Analysis for Surveys	6	Lectures/ tutorials
SRMP902	Statistical and Data Collection Methods in Surveys	6	Lectures/ tutorials
SRMP903	Survey Methods	6	Lectures/ tutorials
SRMP904	Sample Design and Estimation	6	Lectures/ tutorials

* For session details please refer to the Subject Timetable.

Credit Arrangements

Upon successful completion of the Graduate Certificate in Survey and Market Research Methods, students may articulate in to the Master of Survey and Market Research Methods with credit for subjects completed under the Graduate Certificate.

Other Information

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

Graduate Diploma in Business Administration

Testamur Title:	Graduate Diploma in Business Administration
Abbreviation:	GDipBA
Home Faculty:	Sydney Business School
Duration:	1 year full-time (three trimesters)
	or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1, 2, 3
Location:	Innovation Campus (Wollongong), Sydney
UOW Course Code:	1503
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 set out at http://www.uow.edu.au/future/international.

Course Requirements

Candidates are required to complete the eight (8) core subjects (48 credit points) from the Master of Business Administration as listed below:

Course Program

Core Subjects		**Credit Points**
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6
TBS 905	Economic Analysis of Business	6
TBS 907	Financial Strategy#	6
TBS 909	Corporate Governance	6
TBS 920	International Business Strategy*	6
TBS 921	Strategic Decision Making*	6

TBS 901 is a pre-requisite for TBS 907

* These capstone subjects should ideally be undertaken after all other core subjects have been completed

For session details at each location please refer to the Subject Timetable.

Credit Arrangements

Upon completion of the Graduate Diploma in Business Administration, students may apply to progress to the Master of Business Administration (MBA) with credit for subjects completed within the Graduate Diploma. Applicants should consult the Program Director for further information.

Other Information

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

Master of Business Administration

Testamur Title:	Master of Business Administration
Abbreviation:	MBA
Home Faculty:	Sydney Business School
Duration:	1.3 years full-time (4 trimesters)
	or part-time equivalent
Total Credit Points:	72
Starting Session(s):	Trimester 1, 2, 3
Delivery Mode:	On campus (Face-to-Face)
Location:	Sydney, Innovation Campus (Wollongong)
UOW Course Code:	547_2
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, economics, financial and marketing 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 http://www.uow.edu.au/future/international for details).

Course Requirements

Candidates are required to complete twelve 12 subjects (72cps) according to the list below. There are eight (8) compulsory subjects (48 cps) plus four (4) elective subjects (24 cps) selected from other 900 level Sydney Business School or other 900 level subjects as approved by the Program Director.

Course Program

Compulsory Subjects		**Credit Points**
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6
TBS 905	Economic Analysis of Business	6
TBS 907	Financial Strategy#	6
TBS 909	Corporate Governance	6
TBS 920	International Business Strategy*	6
TBS 921	Strategic Decision Making*	6

For session details at each location please refer to the Subject Timetable.

TBS 901 is a pre-requisite for TBS 907.

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

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

1. TBS 902 Statistics for Decision Making (required for those students who have not previously studied statistics, as this subject develops the skills necessary to complete other core MBA subjects); and
2. TBS 908 Supply Chain and Operations Management (provides an overview of overall product/ service development, outlining the dependency upon both internal and external parties)

Students may also apply to complete an individual research project as a 6 or 12 credit point elective subject. The project topic has to be pre-approved by the Program Director.

Note: Students undertaking the program through the Sydney Campus will have a more restricted number of elective subjects available to them. However, students may also choose electives at the Wollongong campus or undertake cross-institutional study.

Credit Arrangements

Upon completion of the MBA with an average mark of at least 60 per cent, candidates may apply to progress to the Master of Business Administration Advanced with credit for previous subjects completed within the MBA.

Master of Business Administration graduates may also apply to enrol in one of the Business School's eight subject Masters degrees. Candidates may apply for credit transfer for subjects completed under the MBA and will be required to complete a further six specified subjects (36 credit points) as determined by the Program Director.

Candidates who have completed one of the Business School's eight subject Masters degrees or a selected range of Masters programs from the Faculties of Commerce, Health and Behavioural Sciences, Informatics, Engineering, and Education, and who meet the MBA entry requirements, may apply to enrol in the MBA program. Students may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Candidates should consult the Program Director for further information.

Other Information

Master of Business Administration students may also have the opportunity to participate in South East Asian and European summer schools.

Other Information

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

Master of Business Administration (Executive)

Testamur Title:	Master of Business Administration (Executive)
Abbreviation:	EMBA
Home Faculty:	Sydney Business School
Duration:	2 years part time
Total Credit Points:	72
Starting Session(s):	Trimester 1
Delivery Mode:	On campus (Face-to-Face)
Location:	Sydney
UOW Course Code:	548
CRICOS Code:	N/A

Overview

The EMBA is a tailored MBA program which is suitable for mature students in a senior management role or those aspiring to progress their career to a senior management position. The EMBA has a strong focus on strategy, leadership and the skills that executives need to operate in a challenging and changing global economy. For further details regarding the program content and delivery, visit our website at http://www.uow.edu.au/sbs/sbscourses/masterCourses.

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 five years full-time relevant professional or managerial work experience. Applicants who do not meet the normal entry criteria but have significant business and senior managerial experience will be considered on a case by case basis.

Qualifying applicants are interviewed in order to assess capability to undertake the demands of the program and the contribution their participation will make to the group.

Course Requirements

Candidates are required to complete twelve 12 subjects (72cps) according to the list below:

Course Program

Subjects		Credit Points
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 904	Marketing Management	6
TBS 905	Economic Analysis of Business	6
TBS 907	Financial Strategy	6
TBS 908	Supply Chain and Operations Management	6
TBS 909	Corporate Governance	6
TBS 913	Innovation Topics and Cases	6
TBS 920	International Business Strategy	6
TBS 921	Strategic Decision Making	6
TBS924	Management Project	12

Other Information

The EMBA features one intake per year with a strict quota on enrolments. The EMBA course fee includes tuition fees, catering whilst attending classes, two residential weekends and a two week overseas trip including airfare and accommodation. Fee-Help is available.

Other Information

For further details on the EMBA contact Sue Mathews, email smathews@uow.edu.au or telephone +61 2 4221 3751.

Master of Business Administration Advanced

Testamur Title:	Master of Business Administration Advanced
Abbreviation:	MBA Adv
Home Faculty:	Sydney Business School
Duration:	2 years full-time or part-time equivalent
Total Credit Points:	96
Starting Session(s):	Trimester 1, 2, 3
Location:	Innovation Campus (Wollongong), Sydney
Delivery Mode:	On Campus (Face-to-Face)
UOW Course Code:	1547
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 Program Director.

Sydney Business School

- General Management **
- International Business **
- Logistics **
- Project Management **
- Retail Management **

Faculty of Commerce

- Accounting
- Finance
- Economics
- Human Resource Management
- Information Systems
- Management
- Marketing

Faculty of Engineering

- Engineering
- Engineering Management
- Environmental Engineering
- Engineering Asset Management

Faculty of Health and Behavioural Sciences

- Health Management
- Public Health

Faculty of Informatics

- Internet Technology
- Electronic Commerce
- Information Technology Management
- Industry-based Information Technology
- Information and Communication Technology

** General Management, International Business, Logistics, Project Management and Retail Management are the only specialisations offered at Sydney campus. All other specialisations must be completed at Wollongong campus.

Please contact the Program Director for further information.

Other Information

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

Master of Business Coaching

Testamur Title:	Master of Business Coaching
Abbreviation:	MBusCoach
Home Faculty:	Sydney Business School
Duration:	2 years part-time
Total Credit Points:	48
Starting Session(s):	Trimester 1
Delivery Mode:	On Campus (Face-to-Face)
Location:	Innovation Campus (Wollongong) , Sydney
UOW Course Code:	1578
CRICOS Code:	N/A

Overview

The Master of Business Coaching has been designed to appeal to a broad range of people interested in business coaching including: those already working as business coaches without formal qualifications, internal business coaches working within companies, those working as individual or executive coaches who wish to strengthen their business understanding, consultants or counsellors who wish to develop their coaching skills, people undertaking a change of career, and managers who wish to develop coaching skills as part of their management approach.

The focus of both the Master and Graduate Certificate is to apply coaching methodologies to business contexts and develop skills such as effective questioning, listening, goal setting and giving feedback. Students completing the Master of Business Coaching will also develop an understanding of the application of coaching to business strategy and planning, innovation, business improvement and change management, and undertake a coaching research project.

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/future/international

Course Requirements

Candidates are required to complete seven core subjects, totalling 48 credit points.

Course Program

Core Subjects		Credit Points
TBS 963	Introduction to Business Coaching	6
TBS 964	Applied Coaching Skills	6
TBS 969	Positive Psychology in Business	6
TBS 965	Advanced Coaching Skills	6
TBS 960	Business Coaching Research Paper	12
TBS 966	Business Coaching Strategy and Planning	6
TBS 967	Innovation, Improvement and Change Management	6

Credit Arrangements

Upon successful completion of the Master of Business Coaching students may apply to enrol in another of the School's Masters programs and apply for credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Candidates should consult the SBS Sub Dean for further information.

Other Information

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

For further information please contact Dr Grace McCarthy, Program Director, email gracemc@uow.edu.au, Tel. +61 2 4221 4880.

Master of International Business

Testamur Title:	Master of International Business
Abbreviation:	MIB
Home Faculty:	Sydney Business School
Duration:	1 year full-time (three trimesters) or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Trimester 1, 2, 3
Delivery Mode:	On Campus (Face-to-Face)
Location:	Innovation Campus (Wollongong), Sydney
UOW Course Code:	597
CRICOS Code:	026342G

Overview

The Master of International Business program prepares students to succeed in managerial and professional positions in the global economy. The globalisation of the market place requires businesses to be increasingly innovative and competitive. Managers need to understand the complexities of global culture, political, economic, organisational and financial forces and recognise how they can impact on the success of their business.

This course examines the background of globalisation and teaches the management skills and competencies that are necessary in order to effectively operate in a truly global business environment.

Entry Requirements

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

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

Course Requirements

Candidates are required to complete a total of eight subjects (48 credit points) selected from the list below: five (5) core subjects (30 cps) plus three (3) elective subjects (18 cps).

Course Program

Core Subjects		**Credit Points**
TBS 980	International Financial Management	6
TBS 981	Managing in Multi-National Companies	6
TBS 982	Marketing in a Global Economy	6
TBS 983	International Business Environment	6
TBS 984	International Business Strategies*	6
Elective Subjects		**Credit Points**
TBS 908	Supply Chain and Operations Management	6
TBS 913	Innovation Topics and Cases	6
TBS 923	Contemporary Issues in International Business	6
TBS 935	Project Management	6
TBS945	Retail Management	6
TBS946	Retail Marketing	6
TBS950	Quality Management	6
TBS961	Business Spanish Language and Culture	6
TBS962	Business Chinese Language and Culture	6
* TBS984 is a capstone subject and is to be undertaken after a minimum of three (3) core subjects have been successfully completed. For session details at each location please refer to the Subject Timetable.		

Credit Arrangements

Upon successful completion of the Master of International Business students may apply to enrol in another of the School's Masters programs and apply for credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Other Information

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

Master of Management

Testamur Title:	Master of Management
Abbreviation:	MMgmt
Home Faculty:	Sydney Business School
Duration:	1 year full-time (three trimesters) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus (Face-to-Face) at Innovation Campus (Wollongong), Sydney and Southern Sydney campuses Video-conferenced to Bega, Batemans Bay, Moss Vale and Shoalhaven
Starting Session(s):	Trimester 1, 2, 3
Location:	Innovation Campus (Wollongong), Sydney, Southern Sydney, Bega, Batemans Bay, Moss Vale and Shoalhaven
UOW Course Code:	1553
CRICOS Code:	048588D

Overview

The Master of Management provides an opportunity for practicing managers to enhance their career opportunities by developing further professional, personal and technical skills in key business areas. The Master of Management comprises eight subjects chosen from the overall portfolio of Sydney Business School 900-level coursework subjects offered at each campus in consultation with the Program Director. 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 Program Director.

Entry Requirements

Applicants must have a Bachelor degree from a recognised institution with an average mark of at least 60 per cent.

International applicants must also meet the University's English Language requirements (refer to the University's website at http://www.uow.edu.au/future/international for details).

Course Requirements

Candidates will be required to complete eight (8) subjects (48 credit points) determined in consultation with the Program Director.

Credit Arrangements

Upon successful completion of the Master of Management, students may apply to enrol in another of the School's Masters programs and apply for up to 25 per cent credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Other Information

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

Master of Project Management

Testamur Title:	Master of Project Management
Abbreviation:	MProjMgmt
Home Faculty:	Sydney Business School
Duration:	1 year full-time (three trimesters) or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Trimester 1, 2, 3
Delivery Mode:	On Campus (Face-to-Face)
Location:	Innovation Campus (Wollongong) and Sydney
UOW Course Code:	1577
CRICOS Code:	061946M

Overview

Efficient project management provides organisations with improved ability to plan, implement and control their business activities. The growth of new forms of technology in project management has prompted organisations to look for skilled project managers who can enhance the performance of their businesses. The Master of Project Management equips students with comprehensive project management skills and teaches strategies for dealing with a broad range of issues encountered within business organisations.

Entry Requirements

Applicants must have a bachelor degree from a recognised institution with an average mark of at least 60%.

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

Course Requirements

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

Course Program

Core Subjects		Credit Points
TBS 901	Accounting for Managers	6
TBS 903	Managing People in Organisations	6
TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain and Operations Management	6
TBS 922	Management Project#	6
TBS 935	Project Management	6
TBS 936	Advanced Project Management*	6
TBS 950	Quality in Management	6

* TBS936 has a co-requisite of TBS935.

Topic to be negotiated with the Program Director to meet individual students' development needs and work environment.

For session details at each location please refer to the Subject Timetable.

Credit Arrangements

Upon successful completion of the Master of Project Management students may apply to enrol in another of the School's Masters programs and apply for credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Other Information

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

Master of Retail Management

Testamur Title:	Master of Retail Management
Abbreviation:	MRetMgmt
Home Faculty:	Sydney Business School
Duration:	1 year full-time (three trimesters)
	or part-time equivalent
Total Credit Points:	48
Starting Session(s):	Trimester 1, 2, 3
Delivery Mode:	On Campus (Face-to-Face)
Location:	Innovation Campus (Wollongong), Sydney
UOW Course Code:	1574
CRICOS Code:	061990G

Overview

Retailing is a major sector of the Australian economy. Globally, retailing is one of the fastest growth areas for employment. In recent years, retailers have had to deal with increased levels of competition, the growth of the internet, new forms of technology and consumers who are looking for better value together with higher quality service. As a result, retailers require managers with the necessary skills to tackle and meet those challenges.

The Master of Retail Management equips students with strategies for dealing with issues unique to retail and the education necessary to succeed in leadership roles within the sector.

Entry Requirements

Applicants must have a bachelor degree from a recognised institution with an average mark of at least 60%.

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

Course Requirements

Candidates are required to complete 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 904	Marketing Management	6
TBS 906	Information Systems for Managers	6
TBS 908	Supply Chain and Operations Management	6
TBS 922	Management Project*	6
TBS 945	Retail Management	6
TBS 946	Retail Marketing	6
* Topic to be negotiated with the Program Director to meet individual students' development needs and work environment. For session details at each location please refer to the Subject Timetable.		

Credit Arrangements

Upon successful completion of the Master of Retail Management students may apply to enrol in another of the School's Masters programs and apply for credit for previous postgraduate studies. Those graduates who meet the MBA entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Other Information

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

Master of Science (Logistics)

Testamur Title:	Master of Science (Logistics)
Abbreviation:	MSc (Log)
Home Faculty:	Sydney Business School
Duration:	1 year full-time (three trimesters) or part-time equivalent
Total Credit Points:	48
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1, 2, 3
Location:	Innovation Campus (Wollongong), Sydney
UOW Course Code:	574_1
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.

The Master of Science (Logistics) is accredited by the Chartered Institute of Logistics and Transport and the Chartered Institute of Purchasing and Supply.

Entry Requirements

Applicants must have a Bachelor degree in a relevant discipline, typically in Commerce, Engineering, Mathematics or IT, from a recognised institution, with an average mark of at least 60%. Applicants who have a Bachelor degree in other disciplines may be admitted, providing they have 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 http://www.uow.edu.au/future/international for details).

Course Requirements

Candidates are required to complete a total of eight subjects (48 cps) according to the list below.

Course Program

Core Subjects		**Credit Points**
TBS 901	Accounting for Managers	6
TBS 908	Supply Chain and Operations Management	6
TBS 912	Quantitative Methods for Decision Making	6
TBS 918	Strategic Supply Chain Management#	6
TBS 928	Logistics Systems	6
TBS 933	Procurement and Inventory Management	6
TBS 935	Project Management	6
TBS 950	Quality in Management	6

TBS908 is a pre-requisite for TBS918

For session details at each location please refer to the Subject Timetable.

Credit Arrangements

Upon successful completion of the Master of Science (Logistics), 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 (MBA) entry requirements may apply to enrol in the MBA program, and may be eligible for credit transfer for up to six subjects (36 credit points) towards the MBA.

Other Information

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

Master of Survey and Market Research Methods

Testamur Title:	Master of Survey and Market Research Methods
Abbreviation:	MSurvMktResMethods
Home Faculty:	Sydney Business School
Duration:	2 years part-time
Total Credit Points:	48
Delivery Mode:	On Campus (Face-to-Face)
Starting Session(s):	Trimester 1
Location:	Sydney
UOW Course Code:	1622
CRICOS Code:	N/A

Overview

The Centre for Statistical and Survey Methodology (CSSM) and the Sydney Business School (SBS) are working together to improve the quality of survey-based research in Australia by providing development opportunities and encouraging research into relevant survey research methodologies. A program consisting of a Graduate Certificate and coursework Masters degree will provide the foundations to the development of high quality professionals in survey methodology and research. The program is aimed at improving the quality of social, market and scientific research in Australia by providing development opportunities for people in government, industry and research centres and encouraging research into relevant methodologies. The course objective is to provide up-to-date and high quality education in survey methodology and research and to reinforce the position of CSSM at UOW as the premier centre of excellence in Australia in survey methodology.

Entry Requirements

Applicants must have a Bachelor degree from a recognised institution or 5 years relevant industry experience.

Course Requirements

Candidates will be required to complete 48 credit points as follows:

Subject Code	Subject Name	Credit Points	Delivery method(s)
SRMP901	Introduction to Research Design and Analysis for Surveys	6	Lectures/tutorials
SRMP902	Statistical and Data Collection Methods in Surveys	6	Lectures/tutorials
SRMP903	Survey Methods	6	Lectures/tutorials
SRMP904	Sample Design and Estimation	6	Lectures/tutorials
And 24 credit points from subjects listed below:			
SRMP911	Project Management and Development for Surveys	6	Lectures/tutorials
SRMP912	Advanced Sample Design and Analysis	6	Lectures/tutorials
SRMP913	Survey Quality and Measurement	6	Lectures/tutorials
SRMP990	Minor Project in Survey Research Methods	6	Supervised project
SRMP991	Major Project in Survey Research Methods	12	Supervised project

* For session details please refer to the Subject Timetable.

Other Information

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

SYDNEY BUSINESS SCHOOL

SRMP901 Introduction to Research Studies Design for Surveys

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: In this subject students will examine issues in the design of survey based research, and then explore the foundations for choosing methods and techniques in applied survey research. This will allow students to demonstrate knowledge of the methodologies underpinning survey based research. Students will develop and extend analytical skills required for successful research, including statistical design techniques, case studies, ethnography, and surveys, as well as ethical issues in survey research and the influence of ethical considerations on survey research methods and methodology. This knowledge will allow students to demonstrate their expertise in research methodology, both qualitative and quantitative.

SRMP902 Statistical and Data Collection Methods for Surveys

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: SRMP902 provides an introduction to statistical data analysis techniques and methods for collecting data. The focus is on the practice of statistics, but some theoretical and conceptual underpinning is important. Topics covered in statistical methods are: data presentation and interpretation; probability, binomial and Poisson distributions; Normal distribution; inference for single samples; comparison of two samples; analysis of variance and multiple comparisons; linear regression and correlation; analysis of categorical variables and contingency tables, logistic regression and standardisation. It will involve the use of a statistical analysis package. Topics covered in data collection methods are: Sample frames. Introduction to sources of error and Total Survey Error. Key aspects of different options: face-to-face, telephone, mail, internet and on-line methods. Other methods - diaries, administrative records

SRMP903 Survey Methods

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: SRMP903 provides an introduction to survey methods. Topics covered in data quality are: Sources of error in surveys, Total Survey Error. Introduction to measuring and reducing Non-response and missing data. Imputation. Topics covered in instrument design and testing are: Question wording. Form design principles Cognitive aspect of survey and cognitive testing approaches. Testing and evaluation of questionnaires Relationship with data collection mode.

SRMP904 Sample Design and Estimation

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: SRMP904 provides an introduction sample design and estimation.. The focus is on the practice of statistics, but some theoretical and conceptual underpinning is important. Topics covered in sample design are: Populations and sampling frames. Simple Random Sampling, Stratification, Probability Proportional to Size sampling, Cluster and Multistage sampling. Topics covered in estimation are: Weighting, ratio estimation, postratification and generalised regression. Variance estimation, standard errors and confidence intervals. It will involve the use of the statistical analysis package SPSS and indicate the use of other common packages such as SAS.

SRMP911 Project Management and Development for Surveys

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: SMP911 provides an overview and details of the issues and approaches involved in project management and development in surveys. The focus is on understanding the practical issues in successfully conducting a survey that meets the needs of the sponsor. Topics covered in project development are: Consulting and communication skills. Finding projects. Preparing and presenting proposal and tenders. Preparing quotes and Budgeting. Ethical considerations and scientific integrity. Topics covered in project managment are: Managing and administering large-scale surveys. Data management. Quality Assurance. Scheduling. Report writing and presentation. Preparation of publications. Achieving timetable and budget. Project evaluation.

SRMP912 Advanced Sample Design and Analysis

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: SRMP912 develops skills in sample design and survey analysis in more complex situations. The focus is on the practice of statistics, but some theoretical and conceptual underpinning is important. Topics covered in Advanced Sampling methods are: Multiphase, sampling in time - panel and longitudinal sampling, sampling rare populations, multiframe sampling. Current issue in sampling: online panels, telephone based sampling. Topics covered in analysis of complex survey data are: Accounting for sample design in analysis of means, totals, regression and logistic regression, contingency table analysis. It will involve the use of a statistical package such as SPSS.

SRMP913 Survey Quality and Measurement

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: SRMP913 develops skills for tackling issues that affect the quality of survey data. The focus is on the practical aspects of data quality, but some theoretical and conceptual underpinning is important. Topics covered in survey quality are: Designing for quality. Approaches to measuring and reducing errors due to coverage, non-response, respondent effect, interviewer effects, mode and questionnaire effects. Topics covered in

survey measurement are: Cognitive and social psychology and communication theories and their implications for survey measurement.

SRMP990 Minor project in survey research methods

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: SRMP990 provides experience and develops skills in undertaking a research or development project examining an aspect of survey methods The focus is on the practice of survey methods, but some theoretical and conceptual underpinning is important. . The topic of the project will be chosen in an area that is related to the student's interests and likely professional development. It can be chosen to be relevant to the student's current or anticipated career

SRMP991 Major project in survey research methods

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: SRMP991 provides experience and develops skills in undertaking a substantial research or development project examining an aspect of survey methods The focus is on the practice of survey methods, but some theoretical and conceptual underpinning is important. The topic of the project will be chosen in an area that is related to the student's interests and likely professional development. It can be chosen to be relevant to the student's current or anticipated career,

TBS 840 Leadership Skills for Entrepreneurs

Trimester 1 Innovation Campus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: In this subject students will understand the importance of leading teams, how to create a culture conducive of innovation, embedding innovation within the strategic direction of the organisation and lead innovation systematically.

TBS 841 Financial Skills for Entrepreneurs

Trimester 2 Innovation Campus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: In this subject students will learn to evaluate opportunities from a financial perspective, understand how to raise capital, assess risks and rewards relating to opportunities, and establish an appropriate financial basis for start up companies.

TBS 842 Entrepreneurship and Innovation

Trimester 1 Innovation Campus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides students with a concise insight into the complexities of initiating, developing, managing and exploiting innovation within the commercial constraints of contemporary business.

TBS 843 Innovation and Applied Project

Trimester 2 Innovation Campus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject enables students to explore the potential exploitation of their own business idea. Students will learn to evaluate opportunities from a range of perspectives including; financial, technical and legal. They will conduct market research on their opportunity, develop a plan for exploitation and will have the opportunity to present their proposal to a panel of experts who will give feedback on the commercial feasibility of the chosen project.

TBS 901 Accounting for Managers

Trimester 1	Batemans Bay	On Campus
Trimester 1	Bega	On Campus
Trimester 1	Moss Vale	On Campus
Trimester 1	Shoalhaven	On Campus
Trimester 1	Southern Sydney	On Campus
Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 1	Sydney	On Campus
Trimester 1	Innovation Campus	On Campus
Spring	Wollongong	On Campus
Trimester 3	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus

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

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ECON940
Subject Description: This unit will provide an in-depth introduction to probability, decision theory, and statistical inference with emphasis on solutions to actual business problems. After developing a foundation in probability theory, the subject will extend this foundation to a set of methodologies for the analysis of decision problems. The unit examines structures for managerial decision making under conditions of partial information and uncertainty.

The examination of the use of statistical techniques in managerial decision making processes, including, confidence intervals, hypothesis testing, quality control, simple and multiple regression and factor analysis should be applied in realistic case situations.

TBS 903 Managing People in Organisations

Trimester 1	Sydney	On Campus
Autumn	Wollongong	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 2	Southern Sydney	On Campus
Spring	Wollongong	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: TBS981 Managing in Multi-National Companies
Subject Description: TBS 903 discusses the strategic management of people in organisations, and the impact of both internal factors such as organisational structure and roles of managers, and external factors such as the competitive environment. The subject explores topics such as leadership, communication, motivation, performance management, diversity and corporate social responsibility and the strategic policy options available to managers in real world contexts. Students are encouraged to think, to analyse, to discuss, to research, and to relate academic theory to the issues they analyse. Students are also encouraged to link what they learn in other subjects to what they learn in this subject.

TBS 904 Marketing Management

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 3	Southern Sydney	On Campus
Trimester 3	Sydney	On Campus
Trimester 3	Sydney	On Campus

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

Trimester 1	Sydney	On Campus
Trimester 3	Batemans Bay	On Campus
Trimester 3	Bega	On Campus
Trimester 3	Innovation Campus	On Campus
Trimester 3	Moss Vale	On Campus
Trimester 3	Shoalhaven	On Campus
Trimester 3	Southern Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to introduce students, and develop their understanding of, core economic concepts relevant to business and managerial decision-making, in order that they may identify and interpret those economic events and circumstances which influence the operations of business. Commencing with the (microeconomic) examination of the behaviour of individual economic units, the subject develops to provide a view of macroeconomics and its application to the functioning of the economy overall. National accounts systems are introduced, and the macroeconomic approach that is relevant to an open economy of the type in which real businesses operate. It is a course objective to equip students to be able to read and understand published articles on business and the broader economy, and interpret these as to their impact on business and government organisations, and such material will be used in class.

TBS 906 Information Systems for Managers

Trimester 2	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

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

Trimester 2	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: TBS901 or TBS980
Co-requisite: 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 and Operations Management

Trimester 1	Batemans Bay	On Campus
Trimester 1	Bega	On Campus
Trimester 1	Innovation Campus	On Campus
Trimester 1	Moss Vale	On Campus
Trimester 1	Shoalhaven	On Campus
Trimester 1	Southern Sydney	On Campus
Trimester 1	Sydney	On Campus
Trimester 1	Innovation Campus	On Campus
Autumn	Wollongong	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 2	Sydney	On Campus
Spring	Wollongong	On Campus
Trimester 3	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Increasing marketplace competitiveness driven by higher productivity levels, product variety proliferation, oversupply, demanding customers and globalisation has ushered in the era of shape-up or get run over. End-to-end Supply Chain Management holds the promise of effective response to such a business environment, but only if it is understood and actually applied. This subject therefore 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. Specific supply chain management topics are then reviewed giving emphasis on topics such as customer fulfilment strategies, process thinking, physical flow management, global supply chain design, cost management, alliances and outsourcing and critical supply chain measures. 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 advanced forms of 'outsourcing'. Finally, people management and the building of employee capabilities are considered as well as future supply chain innovation requirements.

TBS 909 Corporate Governance

Trimester 1	Innovation Campus	On Campus
Trimester 2	Sydney	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Batemans Bay	On Campus
Trimester 3	Bega	On Campus
Trimester 3	Moss Vale	On Campus
Trimester 3	Shoalhaven	On Campus
Trimester 3	Southern Sydney	On Campus

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

Trimester 2	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

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

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject covers integration issues that must be confronted and managed to create value from technological and business innovation, including: initiating innovation and incubating novel thinking, technological innovation, the innovation process, theories of innovation, planning innovation, strategy and innovation, R & D management, economic justification and innovation, new products and processes, operations strategy and innovation, process innovation, managing future technologies, public policy and technological innovation, and globalising change.

TBS 914 Business in Asia

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 917 Strategic Negotiation for International Business

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: TBS 908
Co-requisite: None
Subject Description: This subject extends the study of Supply Chain Management from the introductory level and examines the development of organisational strategy in

the context of supply chain management. The overarching framework around which the course content is organised is the supply chain management performance/ capability continuum, which consists of three critical components: operational excellence, supply chain integration, and collaboration and virtual supply chains. Also covered is how information systems can be used to bring strategic competitive advantage to supply chains.

TBS 919 Entrepreneurship and Innovation in an Asia-Pacific Context

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: TBS981 Managing in Multi-National Companies
Subject Description:

TBS 920 International Business Strategy

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 2	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: TBS984
Subject Description: This subject provides a detailed and practical application of concepts and theories from strategic management to 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 demonstrate how international businesses leverage their capabilities, resources and competencies to create sustainable competitive advantages in international and global markets. Topics include assessing foreign market attractiveness; evaluating choice of location; understanding the effect of differences in external environments of both host and home countries; evaluating the international political and economic risk; building and operating global networks and alliances; assessing entry mode choices; understating links between strategy and structure; and emphasising sustainable growth through maintaining sound corporate governance and corporate social responsibility practices for international business. Problem-based and participants centred learning, with case study workshops, is an integral part of the program.

TBS 921 Strategic Decision Making

Trimester 1	Sydney	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 2	Sydney	On Campus

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

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Students are required to present a management report to agreed guidelines and to a maximum length of 10,000 words. This project should relate to the students workplace environment and negotiated with the Subject Co-ordinator.

TBS 923 Contemporary Issues in International Business

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides a broad view of currently topical issues in International Business through the study, analysis and discussion of relevant readings on each issue. The subject's approach is based on initial study of the selected readings, complemented by development of theoretical aspects where required, followed by group discussion and analysis of each issue. Assessment for the subject will be based on essay submissions for each issue covered, normally three in number, as well as a take home final examination.

TBS 924 Management Project

Not on offer in 2012
Credit Points: 12
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: TBS 930
Co-requisite: TBS930 may be completed simultaneously with TBS 925.
Subject Description: This subject aims to provide the student with state-of-the-art knowledge of inventory management theory and practice. Topics included will be as follows: materials management; management of storage and retrieval facilities; types of inventory problems; measuring inventory performance; inventory management systems for independent demand items; influence of forecasts and

uncertainties of demand and lead time; dependent demand inventory systems; multi-echelon inventory management; decision models for inventory management; simulation models of inventory management systems; and case studies of world-class inventory management.

TBS 927 Process and Change Management

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject combines the process reengineering and change management. The topics covered in this context include mass customisation, business process reengineering, and change management for process change. Cases are studied to provide a unifying theme in terms of organisational change, supply chain reengineering and integration aspects.

TBS 928 Logistics Systems

Trimester 1	Sydney	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Logistics Systems is an advanced course in logistics and supply chain management. It involves design and management of supply chain systems. It prepares students for logistics management positions in manufacturing, transportation and distribution firms. The application of analytical techniques, simulations and computer software to selected aspects of distribution management is explored in the course. Attention will be given to areas of network planning, inventory control, facility location, vehicle routing and scheduling of logistics systems. Mathematical models in these areas will be discussed in terms of their ability to represent the problem and usefulness to the managers. Cases will be used to demonstrate the nature of decision making problems managers face in logistics and supply chain management in contemporary business and class discussion will take place about the repercussions of alternative decisions.

TBS 930 Operations Management

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is a study of the design, analysis, decision-making and operations of activities for the production and delivery of goods and services. Topics include: strategic issues, qualitative and quantitative forecasting, facility location, capacity and layout, production planning, scheduling, management of quality, supply chain management and e-business, just-in-time and lean manufacturing, and project management. Whilst some calculations will be part of this subject, the emphasis will be more on the managerial interpretation of the methods and results.

TBS 933 Procurement and Inventory Management

Trimester 1	Sydney	On Campus
Trimester 2	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 1	Innovation Campus	On Campus
Trimester 2	Batemans Bay	On Campus
Trimester 2	Bega	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 2	Moss Vale	On Campus
Trimester 2	Shoalhaven	On Campus
Trimester 2	Southern Sydney	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject aims to develop knowledge of various types of projects in current business organisations. The students will learn the different stages involved in the conception and implementation of projects, writing project proposals, carry out feasibility studies, organising and managing project teams, understand the role of project management in business organisations, project planning and scheduling, project finance, effective information and stakeholder management, contractual arrangements and project supervision.

TBS 936 Advanced Project Management

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: TBS935
Subject Description: This subject builds on the concepts in TBS935 Project Management, with special emphasis on managing complex and high-risk projects. The subject will

cover topics in advanced project management including risk management, defining and managing complex scope, system definition and configuration management, models development, contracts and acquisition strategy, quality and value management, business case and tender preparation, negotiation and conflict resolution, management of time and stress, relationship contracting and performance management.

TBS 940 International Project Management

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Trimester 1	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject examines the complex and manifold questions of retail management. Internationally known retail companies are used as examples to facilitate an understanding of what is involved in strategic retail management and to present cases of best practice. Key themes covered in this subject include: an overview of strategic retail management; situational analysis; targeting customers and gathering information; choosing a store location; managing a retail business; merchandise management and pricing; communicating with suppliers and customers and; integrating and controlling the retail strategy.

TBS 946 Retail Marketing

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus

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

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 2	Batemans Bay	On Campus
Trimester 2	Bega	On Campus
Trimester 2	Moss Vale	On Campus
Trimester 2	Shoalhaven	On Campus
Trimester 2	Southern Sydney	On Campus
Trimester 2	Sydney	On Campus
Spring	Wollongong	On Campus
Trimester 3	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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 2012
Credit Points: 6
Pre-requisites: TBS950
Co-requisite: None
Subject Description: This subject briefly reviews basic Quality philosophies - with an emphasis on system, cost, problem solving and people improvement. It concentrates on systems thinking as a key factor in understanding and improving quality, the development of a learning organisation, and ultimately the achievement of customer loyalty. This subject also reviews the fundamentals of the Quality organisation: ISO 9000, Six Sigma and other Quality systems that play a role in TQM. The course introduces practical Quality systems (eg: Kaizen, improvement methodologies and QI tools), Quality Function Deployment (QFD), measure of conformance and the prevention of non-conformance. The behaviour, commitment, and involvement of people in a Quality organisation are explored, including: team working, the team approach to problem solving, and the roles of management, suppliers, and customers in a Quality environment. Implementation examples are provided through a case study that features the identification and improvement of quality systems.

TBS 953 Management of Service Quality

Not on offer in 2012
Credit Points: 6
Pre-requisites: TBS950
Co-requisite: None
Subject Description: This subject explores the dimensions of successful service firms. It prepares students for enlightened management and suggests creative entrepreneurial opportunities. Outstanding service organizations are managed differently than their 'merely good' competitors. Actions are based on totally different assumptions about the way success is achieved. The results show not only in terms of conventional measures of performance but also in the enthusiasm of the employees and quality of customer satisfaction. Beginning with the service encounter, service managers must blend marketing, technology, people, and information to achieve a distinctive competitive advantage. This subject will study service management from an integrated viewpoint with a focus on customer satisfaction. The material will integrate operations, marketing, strategy, information technology and organizational issues. Finally, because the service sector is the fastest-growing sector of the economy, this course is intended to help students discover entrepreneurial opportunities.

TBS 955 Quality Assurance

Not on offer in 2012
Credit Points: 6
Pre-requisites: TBS950 and TBS952
Co-requisite: 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

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

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

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: 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 960 Business Coaching Research Paper

Trimester 1/Trimester 2 Sydney On Campus
Credit Points: 12
Pre-requisites: TBS 963 and TBS 964
Co-requisite: 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 961 Business Spanish Language and Culture

Trimester 2 Innovation Campus On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is intended for those who wish to acquire knowledge of the Spanish language for use in a practical business context. It has been designed for those seeking to build business relationships with Spanish speaking people at a managerial level. The language functions and the business vocabulary presented in the course are appropriate to a number of commercial situations. Participants will also study socio/ economic/ political features of a number of key Spanish speaking countries. The main emphasis of the course is on mastering basic linguistic skills. Students will be encouraged to practice speaking in class in pairs or groups (setting up role-plays adapted to topics used in the lesson). Students will also discover how they best learn a language and will be encouraged to use the relevant authentic materials and websites provided in class.

TBS 962 Business Chinese Language and Culture

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Trimester 1 Innovation Campus On Campus
Trimester 1 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to introduce students to the theory and skills of business coaching. Students develop and reflect on business coaching skills, appreciating the ethical considerations involved in a business coaching relationship and differentiating between business coaching and related services.

TBS 964 Applied Coaching Practice

Annual Innovation Campus On Campus
Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will outline factors affecting the management and development of people using a coaching methodology in leadership. This subject will discuss coaching, mentoring, facilitation and training methodologies in order to understand differences in approaches and skill requirements. Students will be encouraged to develop, to increase personal awareness, to practice, to review, to discuss and to propose coaching approaches to situations and challenges faced with people in a business environment.

TBS 965 Advanced Coaching Skills

Trimester 3 Innovation Campus On Campus
Trimester 3 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Trimester 2 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Trimester 3 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will help students to develop an understanding of innovation and how to use coaching skills to foster a culture of innovation and creativity, using coaching skills such as the use of non-directive questioning to encourage clients to propose their own solutions. Students will also learn how to apply coaching skills to understanding responses to change and how to help people cope with change successfully.

TBS 968 Business Coaching Research Paper

Not on offer in 2012
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Students will agree a topic relevant to coaching in their industry and research it. Quantitative and qualitative research methodologies will be discussed as well data analysis and data presentation. Students will present their research findings to their peers and to academic staff. Ethical considerations will be discussed throughout the course. Students will receive coaching and mentoring throughout their research, which will enhance their understanding of these processes as well as of the research itself.

TBS 969 Positive Psychology in Business

Trimester 2 Innovation Campus On Campus
Trimester 2 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: Applied positive psychology is an application of the science of positive psychology, the emerging science of optimal human functioning. This subject will enhance students' knowledge, skills and confidence in applying positive psychological principles to business outcomes in real life settings. Students will gain knowledge and skills in assessment of positive psychological concepts including strength, goal management, optimism, resilience and psychological capital as they relate to individuals, teams and organisations/ institutions. This subject will require students to relate concepts and techniques to themselves, teams and organisations in which they have operated.

TBS 972 Current Issues in Business

Trimester 1 Innovation Campus On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: 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

Trimester 2 Innovation Campus On Campus
Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will stimulate students to think about the demanding nature of change management and leadership in any organisation today, while helping them to develop a portfolio of skills in consultancy, coaching, and mentoring. These skills will help students in carrying out their research, in their professional lives and in peer support of their fellow students. Students will conduct a project on an agreed topic and to present their findings to their peers.

TBS 974 Research Development

Annual Innovation Campus On Campus
Credit Points: 24
Pre-requisites: TBS999
Co-requisite: None
Subject Description: Students further refine their research question and approach, possibly undertaking some pilot studies or trials after obtaining the relevant ethical approval. Students may commence their research when their refined proposal has been approved by their supervisor. For the end of Year 2, students must produce an updated research proposal, updating their literature review and their methodology, reporting on any data collection and analysis undertaken, and relating it to the existing literature. They must also include a detailed plan for the next phase of their research and dissertation.

TBS 975 Research Studies Design

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: In this subject students will examine issues in the design of health services research, and then explore the foundations for choosing methods and techniques in applied health services research. This will allow students to demonstrate knowledge of the methodologies underpinning health services research. Students will develop and extend analytical skills required for successful research, including statistical design techniques, the use of relevant software, case studies, ethnography, and surveys, as well as ethical issues in health services research and the influence of ethical considerations on research methods and methodology. This knowledge will allow students to demonstrate their expertise in research methodology, both qualitative and quantitative

TBS 976 Quantitative Analysis for Health Service Research

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: provides an introduction to statistical data analysis techniques. The focus is on the practice of statistics, but some theoretical and conceptual underpinning is important. Topics covered are: data presentation and interpretation; probability, binomial and Poisson distributions; Normal distribution; inference for single samples; comparison of two samples; analysis of variance and multiple comparisons; linear regression and correlation; analysis of categorical variables and contingency tables, logistic regression and standardisation. It will involve the use of a statistical analysis package

TBS 977 Health Services Evaluation and Development

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: This subject provides an overview of key aspects of the organisation and funding of health services, some of the core health service research tools and an overview of how to translate research findings into practice. Research tools include measurement of health status and determinants of health, health needs assessment and gap analysis, health service performance measurement and introduction to basic evaluation techniques including program evaluation and evaluation designs. Research translation strategies include service planning, service development and service re-design

TBS 978 Health Economic Principles and Research Methods

Annual Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: To develop skills for understanding, applying, analysing, synthesising and evaluating health economic principles and methods in informing related research, reimbursement and regulation decisions in process of health technology assessment, policy and practice evaluation.

TBS 980 International Financial Management

Trimester 2 Innovation Campus On Campus
Trimester 3 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: 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

Trimester 1 Sydney On Campus
Trimester 2 Innovation Campus On Campus
Trimester 3 Sydney On Campus
Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: TBS903 Managing People in Organisations
Subject Description: TBS 981 discusses the management of people in multi-national enterprises, and the implications of both internal factors such as culture and structure, and external factors such as the competitive environment. The subject explores topics such as leadership, motivation,

communication, performance management, diversity and corporate social responsibility as practised in multinationals. Students relate academic theory to real world contexts and examples. Students are encouraged to think, to analyse, to discuss, to research, and to propose solutions to the issues they analyse. Students are also encouraged to link what they learn in other subjects to what they learn in this subject.

TBS 982 Marketing in a Global Economy

Trimester 2	Innovation Campus	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The objective of this subject is to provide a background in global marketing and both a theoretical and practical perspective to advertising communications and promotion management in a global economy. Thus, by adopting the perspective of the product manager or marketing manager, the subject examines the development and implementation of advertising and promotional programmes to facilitate global marketing.

TBS 983 International Business Environment

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Subject Description: The main objective of this subject is to provide students a basis for understanding major aspects of the international business environment. Knowledge of how to deal with challenges of the international business environment, similarities and differences between cultures, international politics and legal frameworks, relevant theories of trade and foreign direct investment, foreign exchange markets and emergence of international financial markets, the influence of the regional economic and political integration as well as issues related to current global business environment will be explored and studied. The development of the student's analytical and team working skills will also be emphasized in this subject.

TBS 984 International Business Strategies

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus

Credit Points: 6
Pre-requisites: TBS983
Co-requisite: 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

Trimester 1	Innovation Campus	On Campus
Trimester 1	Sydney	On Campus
Trimester 2	Innovation Campus	On Campus
Trimester 2	Sydney	On Campus
Trimester 3	Innovation Campus	On Campus
Trimester 3	Sydney	On Campus

Credit Points: 6
Pre-requisites: None
Co-requisite: None
Exclusions: ELL901 or ELL903
Subject Description: This subject provides opportunity for students to develop the various communication skills essential to academic and in international business environments. The academic and general literacy skills targeted include efficient gathering, critical analysis and effective presentation of information, taking effective notes, summarising, reporting and avoiding plagiarism, while professional communication skills may include interviewing, and collaborative writing of business reports. Supported by web-based resources, the subject is delivered through intensive workshops, which involve continual development and assessment of: vocabulary, reading comprehension, goal setting and task analysis, group work, critical discussion, summarising and reporting, public speaking and text editing. The communications to be practised relate directly to the other core subjects of the MIB program.

TBS 996 Research Foundations 2: Research Methodology

Trimester 2	Innovation Campus	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject will give students an understanding of the purpose, philosophy and application of research, with particular emphasis on research focus, defining and refining research questions, quantitative and qualitative methods, the advantages and disadvantages of each and how to choose the appropriate method(s), the use of multi-method approaches, and options for data analysis and presentation. This knowledge will allow students to demonstrate their expertise in research methodology, both qualitative and quantitative.

TBS 997 Research Foundations 1: Literature Review

Trimester 1	Innovation Campus	On Campus

Credit Points: 12
Pre-requisites: None
Co-requisite: None
Subject Description: This subject is designed to enable students to become thoroughly familiar with the subject in which they intend to specialise, using all university facilities available. All students will be expected to demonstrate an appreciation for application of knowledge and information to a real business situation. Students will be further expected to organise, categorise and discuss the information and issues relevant to their research to an exceptionally high level. A key output of the literature will be the identification of a series

of research questions which the current literature does not adequately address. Students will be expected to select one or more of these questions as the focus for their research.

TBS 999 Research Proposal
Annual Innovation Campus On Campus
Credit Points: 24
Pre-requisites: TBS 996, TBS 997
Co-requisite: 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.