Good Universities Guides
AUSTRALIA'S UNIVERSITY OF THE YEAR
Preparing Graduates for the e-World — Joint Winner 2000-2001
Outstanding R&D Partnerships — Joint Winner 1999-2000
## 2001 Key Dates

<table>
<thead>
<tr>
<th><strong>Session Dates:</strong></th>
<th>First (Autumn) Session</th>
<th>Second (Spring) Session</th>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation Week</td>
<td>26 Feb - 2 March</td>
<td>18 - 20 July</td>
<td></td>
</tr>
<tr>
<td>First Day of Session</td>
<td>5 March</td>
<td>23 July</td>
<td>3 December</td>
</tr>
<tr>
<td>Mid-Session Recess</td>
<td>16 - 22 April</td>
<td>24 Sept - 7 Oct</td>
<td>17 Dec - 1 Jan 2002</td>
</tr>
<tr>
<td>End of Session</td>
<td>8 June</td>
<td>2 November</td>
<td>1 February 2002</td>
</tr>
<tr>
<td>Study Recess</td>
<td>11 - 15 June</td>
<td>5 - 9 November</td>
<td>4 - 8 Feb 2002</td>
</tr>
</tbody>
</table>

### Enrolment:

<table>
<thead>
<tr>
<th>Event</th>
<th>First (Autumn) Session</th>
<th>Second (Spring) Session</th>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day for re-enrolment</td>
<td>28 January</td>
<td>22 July</td>
<td></td>
</tr>
<tr>
<td>Enrolment of new undergraduates</td>
<td>30 Jan - 2 Feb</td>
<td>17 July</td>
<td></td>
</tr>
<tr>
<td>Last day for late re-enrolment</td>
<td>18 March</td>
<td>5 August</td>
<td></td>
</tr>
<tr>
<td>Last day to add subject via the Web</td>
<td>18 March</td>
<td>5 August</td>
<td>9 December</td>
</tr>
<tr>
<td>Last day to add subject with approval of</td>
<td>30 March</td>
<td>17 August</td>
<td>14 December</td>
</tr>
<tr>
<td>Academic Adviser &amp; Head of Department</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Withdrawal:

<table>
<thead>
<tr>
<th>Event</th>
<th>First (Autumn) Session</th>
<th>Second (Spring) Session</th>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day to withdraw from <strong>single</strong> session subjects without financial penalty (HECS refunded/International Student Fees credited if withdrawn by):</td>
<td>31 March</td>
<td>31 August</td>
<td>20 December</td>
</tr>
<tr>
<td>Last day to withdraw from <strong>double</strong> session subjects without financial penalty (HECS refunded/International Student Fees credited if withdrawn by):</td>
<td>31 March (full refund)</td>
<td>31 August (spring session only)</td>
<td></td>
</tr>
<tr>
<td>Last day to withdraw from <strong>single</strong> session subjects without academic penalty – subject deleted from record. (Fail grade recorded if subject withdrawn after this date).</td>
<td>6 May</td>
<td>16 September</td>
<td>6 January 2002</td>
</tr>
<tr>
<td>Last day to withdraw from <strong>double</strong> session subjects without academic penalty – subject deleted from record. (Fail grade recorded if subject withdrawn after this date).</td>
<td></td>
<td>21 July</td>
<td></td>
</tr>
</tbody>
</table>

### Examinations:

<table>
<thead>
<tr>
<th>Event</th>
<th>First (Autumn) Session</th>
<th>Second (Spring) Session</th>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam Period</td>
<td>16 - 29 June</td>
<td>10 - 23 November</td>
<td>11 - 15 Feb 2002</td>
</tr>
<tr>
<td>Release of Results</td>
<td><em>tba</em></td>
<td><em>tba</em></td>
<td><em>tba</em></td>
</tr>
</tbody>
</table>

### Charges:

<table>
<thead>
<tr>
<th>Event</th>
<th>First (Autumn) Session</th>
<th>Second (Spring) Session</th>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day for payment of compulsory charges by re-enrolling students</td>
<td>2 March</td>
<td>30 July</td>
<td>14 December 2001</td>
</tr>
<tr>
<td>Late date to nominate full up-front payment of HECS</td>
<td>31 March</td>
<td>31 August</td>
<td>18 December 2001</td>
</tr>
<tr>
<td>Due Date for Up-front HECS, Postgraduate Tuition fees…</td>
<td>2 March</td>
<td>30 July</td>
<td>14 December 2001</td>
</tr>
<tr>
<td>Due date for payment of International Student Tuition Fees</td>
<td>2 March</td>
<td>30 July</td>
<td>14 December 2001</td>
</tr>
</tbody>
</table>

### Census Dates:

<table>
<thead>
<tr>
<th>Event</th>
<th>First (Autumn) Session</th>
<th>Second (Spring) Session</th>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>31 March</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31 August</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Graduation Dates:

<table>
<thead>
<tr>
<th>Event</th>
<th>First (Autumn) Session</th>
<th>Second (Spring) Session</th>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 - 20 July</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14, 15, 18, 19 December</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Some courses, particularly Graduate School of Business & Professional Development courses, have different session commencement and recess dates and withdrawal dates. Late commencement in these courses may not be permitted.
There are two volumes of the Calendar:

Undergraduate Calendar 2001
Postgraduate Calendar 2001

Information in this publication was prepared as at 30 September 2000 and is subject to amendment without notice by the University.

Students are advised to consult the University's On-Line Calendar at the time of application/enrolment to obtain any later information which may become available in respect of material contained in this Calendar. The Web address is: www.uow.edu.au/student/calendar/

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Mid-Session Recess .............................18 December - 1 January
Lectures Recommence...........................2 January - 4 February
Study Recess......................................5 - 11 February
Examinations....................................12 February - 18 February

Autumn Session: 26 February - 22 June 2001

Orientation Week..............................26 February - 4 March
Lectures Commence..............................5 March - 15 April
Mid-Session Recess..............................16 - 22 April
Lectures Recommence...........................23 April - 10 June
Study Recess.....................................11 - 15 June
Examinations....................................16 - 1 July
Mid Year Recess.................................2 July - 22 July

Spring Session: 23 July - 25 November 2001

Lectures Commence..............................23 July - 23 September
Mid-Session Recess..............................24 September - 7 October
Lectures Recommence...........................8 October - 4 November
Study Recess.....................................5 - 9 November
Examinations....................................10 - 25 November

Summer Session: 3 December 2001 - 17 February 2002

Lectures Commence..............................3 December - 16 December
Mid-Session Recess..............................17 December - 1 January
Lectures Recommence...........................2 January - 3 February
Study Recess.....................................4 - 10 February
Examinations....................................11 - 17 February
PART I - GENERAL INFORMATION

The University in Brief

In 2001 the University of Wollongong celebrates the 50th anniversary of a university presence in Wollongong. The University had its foundation in 1951 when the New South Wales University of Technology established a Division at Wollongong. That Division later became a College of the University of New South Wales and, in 1975, the University of Wollongong was established as an autonomous institution. Since its independence, and later its amalgamation with the adjoining Wollongong Institute of Education in 1982, the University has grown to be an internationally recognised teaching and research institution. Its prominence in research, especially in developing research and industry partnerships, was acknowledged when the University jointly won the prestigious Australian University of the Year Award for 1999-2000. In an unprecedented achievement, the University was again proclaimed joint Australian University of the Year for 2000-2001 for its success in preparing graduates for an e-world: A significant award, highlighting the career prospects of our 13,000 students from Australia and more than 70 overseas countries.

The University has three campuses: the main Wollongong Campus, the Shoalhaven Campus at Nowra and the Dubai Campus in the United Arab Emirates. In addition, there are access centres in Sydney, Batemans Bay and Bega.

The University Act & By-Law

The University of Wollongong is established under an Act of the New South Wales Parliament. The Act, the By-Laws and the Rules (made under the Act) govern the management of the University and the conduct and obligations of its members. A copy of the Act and By-Laws is available on the web at http://www.uow.edu.au/admin/secretariat/the_act/act_content.html or from the Secretariat Office (02 4221 3860).

General Information


To be considered for admission to the University for an undergraduate course leading to a degree, you must:

a) be eligible for admission to the University (see 2. below); and

b) have lodged an application for admission to the University (see information box on this page); and

c) have satisfied any course prerequisites or additional selection criteria for the course; and

d) have been selected for the course.

A candidate admitted to a course must abide by the University Course Rules, which are printed below.

2. Am I Eligible for Admission?

Admission requirements are the minimum qualifications that you must have before you can enter a course.

You may meet the admission requirements for the University of Wollongong if you satisfy one of the following:

1) completion of an Australian Year 12 examination attaining the required TER/UAI (NSW) or TER (Vic, SA & NT) or TES (Tas & WA) or OP (Qld) as determined by the University Council and meeting any course prerequisites or additional selection criteria;

2) completion of a limited UAI. Applicants who are at least 21 years of age on 1 March in the year of admission, attempting at one sitting 5 to 9 units of Group A subjects in the NSW HSC may be considered for admission on the basis of an awarded limited Universities Admission Index;

3) have obtained an acceptable level of achievement in an approved secondary qualification (at least 12 years schooling) from an overseas institution;

4) have obtained an acceptable level of achievement in the University of Wollongong Aboriginal & Torres Strait Islander Entry Program;

5) have obtained an acceptable level of achievement in the Wollongong University College Advanced Diploma, or Foundation Studies program (AQF Certificate IV), or University Access Program;

6) have obtained an acceptable level of achievement in the Tertiary Preparation Certificate at TAFE;

7) completion, at an acceptable level of achievement, of a TAFE Advanced Certificate, or an AQF Level IV Certificate, or Associate Diploma, or Diploma or Advanced Diploma, or

8) completion of the Special Tertiary Admissions Test, Multiple Choice version, at an acceptable level of achievement. The test is conducted by UAC for applicants who are at least 21 years of age on 1 March in the year of admission;

9) other acceptable means as decided by the University.

Eligibility based on the NSW Higher School Certificate

a) achievement in the HSC shall be measured by the Universities Admission Index (UAI);

b) only Board Developed courses are used in the calculation of the UAI;

c) the UAI will be based on an aggregate of scaled marks in ten units of Board Developed courses comprising:

your best unit of English;

your best unit in each of the two Key Learning Area Groups;

your best 7 units chosen from your remaining units;

d) for the purpose of calculation of the UAI, no more than 2 units will be included from Category B subjects.

3. Limitations

Council may limit:

a) the number of applicants to be granted admission via any of the provisions in Rule 2; and

b) the number of places available in any undergraduate course or subject.

4. Application for Admission

1) All current HSC candidates (or interstate equivalent) must lodge their applications for admission with the Universities Admissions Centre (UAC) by 14 September 2000.

On-time applications attract no fee but late applications (up to 8 December) incur a fee.

UAC will NOT accept applications after 8 December 2000.

b) Any current HSC candidate (or interstate equivalent) who has NOT lodged a UAC application by 8 December 2000 may apply directly to the University of Wollongong via UniAdvice 1300 367 869 or uniadvice@uow.edu.au

2) Australian students NOT currently taking Year 12 examinations may apply directly to the University of Wollongong via UniAdvice 1300 367 869 or uniadvice@uow.edu.au

3) International students sitting an Australian Year 12 examination in Australia or the International Baccalaureate in Australia in 2000 must apply through UAC.
### General Information

4) All other International students may apply directly to the University of Wollongong via UniAdvice 1300 367 869 or uniadvice@uow.edu.au

### 5. Special Tertiary Admissions Test (STAT)

You may apply for admission to the University on the basis of the STAT if you are at least 21 years of age by 31 March in the year of admission (for all courses except Law, see below).

The Special Tertiary Admissions Test (STAT) is conducted annually and is coordinated by the Universities Admissions Centre (UAC). The current fee is $71.50. Contact UAC for further details on (02) 93307200.

The STAT is designed to assess a range of competencies commonly considered important for success in tertiary study. It is a two-hour multiple-choice test designed to test the applicant’s ability to comprehend, interpret, analyse and make inferences from a variety of material provided. The test questions are grouped in units based on stimulus material presented in a variety of forms, for example: passages of writing, graphical displays of information, diagrams. Any specific information required to answer the questions is contained in the stimulus material.

**Applying for the 4 year Law degree through the STAT**

You must be at least 25 years of age by 31 January in the year of admission and, in addition to obtaining a certain standard in the STAT, will be required to attempt the Australian Law Schools Entrance Test (ALSET).

### 6. Wollongong University College

Wollongong University College, the private college of the University of Wollongong, located on campus, provides advanced diploma courses and a university entrance programs. These programs have been developed in consultation with the University of Wollongong and are available to both permanent Australian residents and international students who meet entry requirements.

Students who successfully complete a diploma course and meet specific University entrance requirements will be eligible for entry into bachelor degrees at the University of Wollongong. By completing a university entrance program to a certain standard, students are guaranteed a place in one of the bachelor degrees at the University of Wollongong and may be eligible to apply for bachelor degrees offered at 33 Australian universities and 10 international universities.

**Further information is available from:**

UniAdvice
University of Wollongong
NSW 2521 AUSTRALIA
Tel: +61 +2 4221 3218
Fax: +61 +2 4221 3233

### 7. Prerequisites

For admission to most degree courses and some 100-level (first year) subjects offered by the University, applicants must have completed certain NSW HSC (or interstate equivalence’s) prerequisites.

For detailed information on these prerequisites refer to the 2001 UAC Guide, or contact the Academic Registrar’s Division for further information.

Admission to the University does not automatically mean admission to a particular subject. Applicants must have the required pre-requisites before they can enrol in certain subjects. A list of 100-level subjects which require NSW HSC pre-requisites is available from the University on request.

### FINANCIAL INFORMATION

#### Student Charges

According to Government regulations, students, both undergraduate and postgraduate, are required to meet the following charges where applicable:

1. Penalty charges such as late charges, parking fines, etc.
2. Administrative charges such as 'statement of record' charges, 'review of result' charges, application fee to amend an academic record, or charges for examinations requiring special arrangements.
3. Cost of travel incurred by students attending practical work for courses in social work, teacher training, etc.
4. Cost of travel incurred by external students attending residential schools.
5. Accommodation charges and cost of subsistence on excursions, field work, etc.
6. Charges for special clothing or laundry costs.
7. Purchase of instruments or equipment.
8. Cost of handbooks and notes.
9. Charges associated with the development and operation of unions, student associations, students' representative councils and other student activities.
10. Deposits and refundable charges.

#### Compulsory Service Charges

In 2001, all students will be required to pay the charges listed below (GST is included). For some fee-paying students, these charges are included in the course fee.

**Entrance Charges at First Enrolment**

<table>
<thead>
<tr>
<th>Campus</th>
<th>Amount ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wollongong UniCentre</td>
<td>38.50</td>
</tr>
<tr>
<td>Recreation &amp; Aquatic Centre</td>
<td>27.50</td>
</tr>
<tr>
<td>Students' Representative Council</td>
<td>6.60*</td>
</tr>
</tbody>
</table>

**Annual Subscriptions**

<table>
<thead>
<tr>
<th>Campus</th>
<th>Amount ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wollongong UniCentre</td>
<td>200.20</td>
</tr>
<tr>
<td>Recreation &amp; Aquatic Centre</td>
<td>102.00</td>
</tr>
<tr>
<td>Student Representative Council</td>
<td>45.10</td>
</tr>
</tbody>
</table>

**Total charges**

347.30

*Note: the 2000 SRC charges are listed, a proposed increase for 2001 is currently before Council for approval.

Students studying at University Education and Access Centres shall be required to pay an amount equal to the Student Representative Council fee (current at enrolment).

#### Conscientious Objection

While the University Council endorses the principle of universal membership of student organisations, the University has established a procedure for students seeking exemption from membership on the basis of genuine conscientious objection. It is important to note that conscientious objectors will still be required to pay the relevant fee, which will be directed towards the Dean of Students' equity awards, established to help students who are in genuine financial difficulty to keep studying. Please contact the Student Administration Office for further information (4221 4355).
Exemptions

Exemption from payment of fees will be granted in certain circumstances:

1. Students withdrawing from a course are required to notify the Vice-Principal (Administration) in writing.
2. Where notice of withdrawal from a course is received by the Vice-Principal (Administration) before the first day of their first session a refund of all charges paid will be made.
3. On notice of withdrawal, on or after the first day of session and prior to the end of the fourth week of session, a full refund of compulsory service fees, other than entrance charges, will be made but thereafter no refund will be made, except as provided for in Section 4 below.
4. Late charges are not refundable.
5. Payments towards the Higher Education Contribution Scheme (HECS) will only be refunded where a student withdraws prior to the appropriate census date.
6. Fee paying students are bound by the terms of the University policy on fee refunds (see below).

Charges for off-campus Students

Students studying for specified University of Wollongong courses offered in an off-campus mode shall be required to pay the Student Representation Council entrance and annual fees, but shall be exempt from both the Wollongong UniCentre and Recreation and Aquatic Centre fees. The courses specified for this purpose will be determined by the Vice-Principal (Administration) or his/her nominee.

Other Charges

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late payment of Student Body Charges</td>
<td>$60.00</td>
</tr>
<tr>
<td>Reinstatement charge (following termination of enrolment)</td>
<td>$100.00</td>
</tr>
<tr>
<td>Failure to re-enroll by the prescribed date</td>
<td>$100.00</td>
</tr>
<tr>
<td>Application fee to amend academic record (where a student error)</td>
<td>$80.00</td>
</tr>
<tr>
<td>Replacement Testamur</td>
<td>$50.00</td>
</tr>
<tr>
<td>Transcripts (2 copies)</td>
<td>$20.00</td>
</tr>
</tbody>
</table>

Parking Charges (per annum)

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reserved Parking</td>
<td>$531.30</td>
</tr>
<tr>
<td>Category 1 Places</td>
<td>$177.10</td>
</tr>
<tr>
<td>Category 2 Places</td>
<td>$103.40</td>
</tr>
<tr>
<td>Motorcycle parking</td>
<td>$28.60</td>
</tr>
<tr>
<td>Disabled parking</td>
<td>No charge</td>
</tr>
</tbody>
</table>

New Students

All new students shall be required to attend the enrolment centre and pay all charges by the date shown in their enrolment information.

Withdrawal/Refund Policy

1. Students withdrawing from a course are required to notify the Vice-Principal (Administration) in writing.
2. Where notice of withdrawal from a course is received by the Vice-Principal (Administration) before the first day of their first session a refund of all charges paid will be made.
3. On notice of withdrawal, on or after the first day of session and prior to the end of the fourth week of session, a full refund of compulsory service fees, other than entrance charges, will be made but thereafter no refund will be made, except as provided for in Section 4 below.
4. Late charges are not refundable.
5. Payments towards the Higher Education Contribution Scheme (HECS) will only be refunded where a student withdraws prior to the appropriate census date.
6. Fee paying students are bound by the terms of the University policy on fee refunds (see below).

Extension of Time

Extensions of time to pay compulsory service charges are not permitted.

Failure to Pay Charges

1. Any student who is indebted to the University and fails to make a satisfactory settlement of this indebtedness upon receipt of due notice ceases to be entitled to membership and privileges of the University. Such a student is not permitted to register for a further session, to attend classes or examinations, or to be granted any official credentials. Enrolment will be cancelled when fees have not been paid in full by the due date. Access to University facilities (email, library) will be withdrawn, examination results will not be provided, and graduation will not be permitted for students who are indebted. Re-enrolment in the next session will not be permitted for students who have fees outstanding. Indebtedness to the University includes the non-payment of charges, late charges, library fines, any arrears in rent or other financial obligations resulting from an accommodation agreement entered into with the University, and any indebtedness incurred as a result of any other financial obligation to the University.
2. When tuition fees are not paid in full by the due date, a late fee of $200 will be charged. For International students the late fee is $450.
3. In order for an enrolment to be reinstated a student must pay all outstanding amounts, including late fees, plus a Reinstatement Fee of $100.

Payment of Charges

Payments such as transcripts and re-instatement charges can be paid at Student Administration.

Tuition Fee Policy

(Refer Part III - Policies & Codes of Practice)

Higher Education Contribution Scheme (HECS)

Students enrolling at the University will be liable under the Higher Education Contribution Scheme (HECS) unless specifically exempted. Summer session enrolment also incurs a HECS liability. HECS is payable each session and the amount of liability is determined by the load (as a proportion of the standard student load for a full year) in which a student enrolls.

Method of Payment

At enrolment, students nominate whether they wish to pay the HECS liability through the Taxation System when earnings reach the threshold prescribed yearly by the Government or whether they wish to pay the HECS liability to the University up-front and receive a discount of 25%.

Students who elect to pay their HECS liability through the taxation system are able to make an up-front payment prior to the HECS census date of at least $500 (for which they receive a 25% discount). Payments may be made at the Student Administration Office using EFTPOS, credit card or cheque.

For further HECS information please refer to the 'HECS-Your Questions Answered 2001' booklet available from the Academic Registrar's Division on (02) 4221 3927.

PRIZES & SCHOLARSHIPS

The University offers over 200 undergraduate and postgraduate scholarships and a range of prizes to students and prospective students. Further information is available at the following web addresses:


PART II - RULES
A. GENERAL UNIVERSITY RULES

Campus Access and Order

Rules for Student Discipline
Use of Computing Facilities
Code of Conduct Library

CAMPUS ACCESS & ORDER

Part I - Preliminary

1. Preamble
The grounds of the University of Wollongong are private property and
the University Council has the right to regulate access to the grounds
and to control the entry of vehicles and their operations within those
grounds.

2. Commencement
These Rules came into operation in this form on 11 August 1989. The
Rules incorporate the "Rules for the Control of Motor Vehicles
Entering the Grounds of the University of Wollongong", previously

3. Parts
The Rules are divided into three parts, as follows:

Part I - Preliminary
Part II - Access to and Order on Campus
Part III - Traffic and Parking Control

4. Interpretation
In these Rules, unless the contrary intention appears:

i) "Campus" includes any land which, for the time being, is the
property of the University of Wollongong or in its possession or
under its control, together with any building or other erection or
construction of any kind whatsoever, whether permanent or
temporary, standing on or affixed to such land or any part thereof;

ii) "Vehicles" means all motor vehicles and includes motor cycles, but
excludes motorised wheelchairs;

iii) "Permits" means Category 1, Category 2, Disabled, Motor Cycles,
Additional and Daily Permits issued in accordance with these
Rules;

iv) "Authorised Persons" means the Vice-Chancellor and Principal, the
Vice-Principal (Administration), the University Librarian,
members of the University Security Staff and senior members of
the University staff so designated by the Vice-Chancellor and
Principal for the purposes of these Rules;

v) "Members of Staff" includes, for the purposes of these Rules, full­
time, part-time and casual employees of the University of
Wollongong and its associated companies, centres, residential
complexes and employees of the Union and its tenants, Aquatic
Centre, Students' Representative Council, Illawara Technology
Corporation and its tenants and other groups/bodies/companies
as specified from time to time by the
Vice-Chancellor and Principal for the purposes of these Rules;

vi) "Students" includes full-time and part-time students of the
University of Wollongong;

vii) "Disabled Person" means a person who possesses an obvious visible
disability or a disability supported by certification from a qualified
medical practitioner or who is in possession of a valid "Disabled
Persons Parking Authority" issued by an Australian or State
Government Authority;

viii) "Temporarily Disabled Person" means a person under a temporary
disability supported by certification from a qualified medical
practitioner.

Part II - Access to & Order On Campus

1. Persons Eligible for Entry
Persons in the following categories may have access to the campus:

i) a member of the University Council or of Convocation or a
Fellow of the University;

ii) a member of staff entering or remaining on campus in
consequence of being an employee;

iii) a student entering or remaining on campus in consequence of
undertaking studies or research;

iv) a person who holds a permit authorising entry to the campus and
who has observed all conditions, if any, to which the authority
contained in the permit is subject;

v) a member of the Common-wealth or State Police Forces
requested by an authorised person to enter and remain on the
campus for the purposes of protecting persons or property; and

vi) a person who otherwise has valid reason to be on the campus,
provided entry has not been prohibited by an authorised person.

2. Traffic Access

i) Pedestrians, bicycles, vehicles which display a permit issued in
accordance with these Rules, vehicles making delivery of goods
ordered by the University, vehicles operated by contractors to the
University, vehicles picking up or setting down passengers or any
other vehicle permitted to enter from time to time by an
authorised person may have access to the campus.

ii) All persons having access to the campus whether or not in charge
of a vehicle shall conduct themselves and/or use their vehicles in a
safe and proper manner at all times in accordance with the

iii) All vehicles and bicycles which have access to the campus shall be
driven and parked in accordance with these Rules and the
directions of authorised persons.

iv) The University shall not be liable for any damage or loss, including
consequential loss, suffered or caused to any person or vehicle (or
its accessories or contents) or bicycle while travelling, standing or
parked on the campus.

3. Identification Cards
All members of staff of the University and students are issued with
Identification Cards which must be carried during attendance at the
University and shown in response to any reasonable request from an
authorised person or from any other member of staff who might
require such identification in the course of their duties.

4. Authority Cards
Persons designated as authorised persons for the purpose of these
rules are issued with Authority Cards.

5. Authorised Persons
An authorised person is empowered, under these Rules, to give such
directions and to make such requests in the name of the University as
may be required to maintain order within the University and to
maintain orderly conduct by members of staff, students and visitors,
and in particular, but without limiting the generality of the foregoing:

i) to request persons involved in disorderly conduct to leave the
campus and to remove trespassers thereon;

ii) to request persons to leave inclosed lands owned or occupied by
the University and to apprehend and deliver to the custody of the
nearest police constable any person found committing an offence
against the Inclosed Lands Act, 1901, as amended, or committing
a criminal offence;
6. Members of the Police Forces

Members of the Commonwealth or State Police Forces may be requested by any authorised person to enter any part of the campus when, in the opinion of such authorised person, the protection of persons and/or property require it. Members of the Police Forces may in instances of likely or actual injury to persons or damage to property take action consistent with the authorities and powers that they possess as officers of the Commonwealth or State Police Forces, as appropriate.

7. Animals on Campus

Animals are not permitted on campus unless authorised by the Vice-Principal (Administration); authorised persons may take action to remove unauthorised animals from the campus by whatever means are necessary.

8. Disorderly Conduct

In the interpretation of these Rules, the following forms of conduct will be construed as "disorderly conduct" and may lead to action being taken by authorised persons in the interests of maintaining good order and orderly conduct on campus:

i) failure to comply with by-laws, rules, orders, Council resolutions or other lawful directions of the University in relation to campus access and order;

ii) any conduct which impairs the reasonable freedom of other persons to pursue their studies, researches, duties or lawful activities in the University or to participate in the life of the University;

iii) wilful failure to obey any reasonable direction of an authorised person in relation to campus access and order;

iv) failure to furnish or provide appropriate identification on request by an authorised person;

v) wilfully entering any place on campus which the person is forbidden by an authorised person, by-law, rule, order or Council resolution to enter;

vi) wilfully littering the campus or damaging, defacing, or wrongfully dealing with any University property or any other property on campus;

vii) any other unreasonable conduct disrupting the normal activities of the University.

Where any disorderly conduct under section (6), occurs and the person or organisation responsible can be identified, the University may take action consistent with the authorities and powers that it possesses as an officer of the Commonwealth or State Police Forces, as appropriate.

9. Complaints of Alleged Disorderly Conduct

Any complaints alleging disorderly conduct against any person may be brought, in writing, by an authorised person or by a student or staff member to the Vice-Principal (Administration) who shall forward the complaint to the Vice-Chancellor and Principal; if the Vice-Chancellor and Principal deems that the matter requires any action to be taken, the matter will be dealt with as misconduct in accordance with the appropriate University Rules and authorities.

Part III - Traffic & Parking Control

1. Preamble

These Rules provide for the orderly movement and parking of vehicles and bicycles on campus. Failure to comply with the Rules may result in fines, wheel clamping, loss of parking privileges and/or disciplinary procedures.

2. Definitions

In these Rules:

a) "Authorised Person" means the Vice-Principal (Administration), Security Staff, and Gatekeepers; and any other person designated as an authorised person in accordance with the Campus Access and Order Rules.

b) "Disordered Person" means a person who possesses an obvious visible disability or a disability supported by certification from a qualified medical practitioner or who is in possession of a valid "Disordered Persons Parking Authority" issued by an Australian or State Government Authority;

c) "Staff Members" includes full-time, part-time and casual employees of the University of Wollongong and employees of the Union and the Illawarra Technology Corporation and their tenants, Theatre South and other groups as specified from time to time by the Vice-Chancellor;

d) "Students" includes full-time and part-time students of the University of Wollongong;

e) "Temporarily Disabled Person" means a person with a temporary disability supported by certification from a qualified medical practitioner;

f) "The University Campus" means the real property owned and/or operated by the University of Wollongong in the State of New South Wales;

g) "Vehicle" includes motor cycles and motor vehicles.

3. Access to University Grounds

a) Pedestrians, bicycles, vehicles which display a permit issued in accordance with these Rules, vehicles making delivery of goods ordered by the University, vehicles operated by contractors to the University, vehicles picking up or setting down passengers or any other vehicles permitted to enter from time to time by an authorised person, may have access to the University campus.

b) The University shall not be liable for any damage or loss, including consequential loss, suffered or caused to any person or vehicle (or its accessories or contents) while travelling, standing or parked on the University campus.

4. Driving Rules

a) All vehicles shall observe a speed limit of 25 kph on University roads and 15 kph in single level carparks. Vehicles within the Multi-storey carpark will obey a speed limit of 5 kph.

b) No vehicle shall park or stop on any road or place not specifically marked or sign posted for parking or stopping (except for a period sufficient to set down and/or pick up passengers).

c) Vehicles and bicycles shall at all times give way to pedestrians at marked pedestrian crossings and other places.

d) Vehicles and bicycles shall at all times comply with all road markings, signs and the directions of authorised persons.

e) Except where these Rules provide to the contrary the normal rules of the road applicable in New South Wales shall apply to vehicles and bicycles on the campus.

f) Where a vehicle or bicycle is stopped by an authorised person in relation to a breach of the driving rules or due to the manner in which the vehicle is driven, for identification purposes the authorised person may demand the licence or other suitable identification of the driver or rider.
5. Parking Rules

a) No vehicle or bicycle shall park on the campus otherwise than in accordance with these Rules.

b) Vehicles issued with a Category 1 Permit in accordance with these Rules may park in the areas designated for Category 1 (red) and/or Category 2 (blue) parking.

c) Vehicles issued with a Category 2 (blue) Permit may park in areas designated Category 2 (blue) parking between 8.00 am and 4.30 pm Mondays to Fridays and may park in Category 1 areas outside these times.

d) Vehicles issued with a Regular Visitor Permit may park in Category 1 or Category 2 areas.

e) Only vehicles displaying an authorised Disabled Parking Permit may park in the areas designated for Disabled Parking.

f) All vehicles shall be parked within the lines designating parking spaces and shall at all times be parked in such a way that no obstruction is caused to the University roadways, or car park access lanes.

g) Bicycles may only be parked in areas where appropriate stands have been provided by the University; in addition to any penalty that may be imposed, bicycles not parked in these areas may be impounded by authorised persons.

h) No vehicle shall park on any footpath, reserve or grassed area.

i) No vehicle or bicycle shall impede or prevent the safe movement of people from any building at any time by standing or parking across, or near, or adjacent to any entrance, exit, fire exit, etc.

j) The driver of a vehicle shall not cause a vehicle to stand, wait or park within a parking space signposted as Visitor Parking.

k) The holder of a category 1 (red), category 2 (blue) or day permit shall not cause their vehicle to stand, wait or park within a parking space signposted as Visitor Parking.

6. Permits

a) Transferable permits for Category 1 (red) and Category 2 (blue) parking permits allow for the interchange of vehicles using a permit. These transferable permits are issued to a person and this person will be responsible for any vehicle using this permit. Infringement notices will therefore be issued to this person and will be the responsibility of this person. Additional permits for other owner registered vehicles will not be available at reduced prices.

b) Any disabled or temporarily disabled person may apply for a Disabled Parking Permit.

c) Any student or staff member may apply for a Motor Cycle Parking Permit, Reserved Parking Permit, Category 1 (red) Permit or Category 2 (blue) Permit in writing to the Vice Principal (Administration). Replacement permits will be issued only upon written request to Personnel and Financial Services and subsequent approval of that request. Replacement Permits will incur a fee of $11.00.

d) On payment of fees prescribed separately and the due compliance by the applicant with these Rules, a Parking Permit shall be issued by the Vice Principal (Administration) or an authorised person.

e) Annual Parking Permits shall expire on the first day of Session One in the year following issue.

f) Daily permits may be issued by authorised persons on payment of the fee prescribed separately.

g) Regular Visitor Permits may be issued by authorised persons on application from sponsoring units, subject to approval by the Vice-Principal (Administration).

h) Holders of all Parking Permits, shall agree on acceptance of the permit, to be bound by these Rules.

i) All Parking Permits issued in accordance with these Rules (excepting Daily Parking Permits and Regular Visitor Permits) shall be affixed to the motor vehicle windscreen so as not to obstruct the driver’s vision.

j) All fees paid under these Rules are non-refundable.

7. Offences & Prescribed Penalties for Driving & Parking Infringements.

i) The following is a list of offences derived from the Driving and Parking Rules for which infringement notices may be issued and the prescribed penalty that applies to each offence. Infringement notices may be issued by authorised persons for breaches of the Driving or Parking Rules.

a) Driving Offences

<table>
<thead>
<tr>
<th>Infringe., No.</th>
<th>Offence</th>
<th>Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Not Give Way to Pedestrian</td>
<td>$60.00</td>
</tr>
<tr>
<td>2.</td>
<td>Disobey reasonable direction by authorised personby authorised person</td>
<td>$60.00</td>
</tr>
</tbody>
</table>

All other driving matters may be reported by way of a Breach Report by an authorised person to the Vice Principal (Administration). The breach report will be adjudicated and appropriate action instigated either by way of a fine not greater than $134.00 or, in the case of staff the matter referred to Head of Unit/Department for counselling or other disciplinary action or by having the matter dealt with under the Occupational Health & Safety Act 1983. In the case of students the matter may be treated as a misconduct as described in 7(g). Where the offending driver is not a member of the Campus community other appropriate action may be instigated as deemed appropriate by the University according to the circumstances surrounding the offence.

b) Parking Offences

<table>
<thead>
<tr>
<th>Infringe., No.</th>
<th>Offence</th>
<th>Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Stand Contrary to Notice</td>
<td>$60.00</td>
</tr>
<tr>
<td>2.</td>
<td>Disobey Notice</td>
<td>$60.00</td>
</tr>
<tr>
<td>3.</td>
<td>Not stand wholly in designated parking space</td>
<td>$60.00</td>
</tr>
<tr>
<td>4.</td>
<td>Enter Grounds and park without proper authority</td>
<td>$60.00</td>
</tr>
<tr>
<td>5.</td>
<td>Not Stand Bicycle in Designated Stands or Area (Infringement Notice should only be issued where bicycle has been impounded.)</td>
<td>$60.00</td>
</tr>
<tr>
<td>6.</td>
<td>Cause Obstruction to Vehicle or Pedestrian</td>
<td>$60.00</td>
</tr>
</tbody>
</table>
8. Stand Contrary to Notice “Disabled Parking Space” $134.00
9. Stand Contrary to “No Stopping,” or “No Standing” Notice erected at fire hydrants, near fire safety equipment, hazardous liquid stores, hazardous areas $134.00
10. Stand Contrary to Notice “No Stopping” on Ring Road “No Standing” On Ring Road $134.00
11. Stand vehicle or bicycle across or near building ges. eg. entrances, exits, fire exits, etc. $134.00

The penalty applied to offences one to seven is $60.00 on each occasion, the amount being reduced to $30.00 if paid within three working days. The penalties applied to offences eight to eleven apply to vehicles being parked within or near disabled parking spaces, hazardous areas, hazardous liquid stores, fire hydrants or fire fighting equipment or entrances of buildings where safe egress may be impeded. No discounts will apply for payment of these offences numbered eight to eleven.

c) Wheel Clamping or Impounding of Bicycles
Blatant or persistent infringements may result in the offending vehicle being wheel clamped. Offending bicycles may also be impounded.

d) Impounded Vehicles and Bicycles - Release
To obtain release of an impounded vehicle a payment of $15.00 is required.
To obtain release of an impounded bicycle a payment of $15.00 is required.

Impounding fees must be paid to the Cashier in the Administration Building No. 36. On obtaining a receipt this should be presented to the authorised person as proof of payment of the impounding fee and the wheel clamps will then be released.

After Cashier’s normal hours, suitable identification must be shown to an authorised person, as payment cannot be made to the authorised person. On the presentation of suitable identification the wheel clamps may be released.

ii) Notice of an infringement shall be given by:

a) leaving a notice in a prominent position on the infringing vehicle or bicycle; or

b) the delivery of a notice to the infringing person or the owner of the infringing vehicle or bicycle; or

c) posting a notice to the infringing person or the owner of the infringing vehicle or bicycle at that person’s last known address. Such a notice shall be deemed to have reached the infringing person or the owner of the infringing vehicle or bicycle in the normal course of the post.

iii) An infringement notice given in accordance with these Rules shall contain details of the infringement, the fine imposed and a statement of the rights of the recipient of the infringement notice.

iv) Persistent or blatant infringement of these Rules may result in a Parking Permit being revoked, a vehicle being denied access to the campus and/or wheel clamping of the offending vehicle.

v) If fines on staff members who are paid by the University remain unpaid after two (2) requests the amount of the fines may be deducted from the salary of the staff member. The authority for that deduction shall be deemed to be made upon signing the application for a Parking Permit.

vi) If fines on students, or staff members not paid by the University, remain unpaid after two (2) requests, the fines shall be treated as a debt due to the University. In the case of students examinations results may be withheld.

vii) Non-payment of fines, or breaches of the driving rules of these Rules by students, may be treated as a misconduct under Part XII of the University By-Laws.

A staff member or student may appeal against any action taken. Such appeal shall be made in writing to the Vice Principal (Administration) whose decision shall be final. Appeals must include the original or copy of the Infringement Notice.

Part IV - Categories of Parking & Fees

1. Transferable Permits
Parking Permits are transferable between vehicles and the electrostatic label must be displayed on the vehicle for entry to and while present on the University Campus.

2. Category “Reserved Spaces”
Single payment of $531.30 for period 1 Jan. to 31 December in any year. Salary deduction of $20.46 per fortnight (staff only). Applications for reserved parking are available from Financial Services. Reserved parking is available in the Multi-Storey carpark and under Building No. 3.

3. Category 1 - Red Permit
Single payment of $177.10. Salary deduction $6.82 per fortnight (staff only). Single session permits are available at $88.55. Permits do not guarantee parking. “Red” carparks are generally those internal to the campus ring road. This permit also allows parking in the Multi-storey carpark but not in spaces reserved for Departments, individuals, disabled etc.

4. Category 2 - Blue Permit
Single payment of $103.40. Salary deduction $4.02 per fortnight (staff only). Single session permits are available at $51.70. Permits do not guarantee parking. “Blue” carparks are generally located in the Western part of campus during the hours 8.00am to 4.30pm Monday to Friday and in any carpark outside these hours but not in spaces reserved for Departments, individuals, disabled etc.

5. Daily Permits
$4.40 per day. Permits do not guarantee parking. These permits provide access to spaces in Category 2 “Blue” carparks during the hours 8.00am to 4.30pm Monday to Friday and in any carpark outside these hours but not in spaces reserved for Departments, individuals, disabled etc.

6. Regular Visitor Permits
Single payment of $28.60. Permits do not guarantee parking. These permits must be authorised by the Vice Principal (Administration). Requests should be forwarded through the Manager Security. Permit provides access to all carparks but not in spaces reserved for Departments, individuals, disabled etc.

7. Disabled Permits
NO CHARGE. Permanently Disabled persons will be issued with a special Permit authorising the use of Disabled Parking Spaces. Contact the Disability Services on Ext 4242. Certificate from medical practitioner or a valid “Disabled Person Parking Authority’ issued by an Australian or State Government must be produced.

8. Motor Cycles
Single payment of $28.60. Access all motor cycle parking areas. Permits Do Not Guarantee Parking. Motorcycle permits are available free of charge where a Category 1 or 2 permit is purchased - motor cycle registration papers detailing owner detail for same permit holder must be produced.

9. Bicycles
No Charges. Bicycle racks are located throughout campus. Parking outside the racks will be actively discouraged and is covered by the University’s parking rules.

10. Replacement Permits
Permits will only be replaced on written application to Financial Services. A $11.00 fee applies.
RULES FOR STUDENT DISCIPLINE

Preamble

1) These Rules provide discipline procedures in cases of misconduct by students of the University. The Rules are made in accordance with Section 29 of the University of Wollongong Act, 1989, and Section 34 of the University By-law.

Commencement

2) These Rules came into operation on 8 October, 1993.

Definitions

3) In these Rules, unless the context or subject matter otherwise indicates or requires:

“Act” refers to the University of Wollongong Act, 1989;

“Committee of Appeal” means the Committee of Appeal constituted under Rule 41;

“Council” means the Council of the University of Wollongong;

“Investigation Committee” means the Investigation Committee constituted under Rule 24;

“misconduct” means conduct on the part of a student which:

a) breaches the University By-law or the Rules made in accordance with that By-law or any Resolutions of Council or is deemed or stated to be misconduct under the By-law, Rules or Resolutions; or

b) constitutes a serious impediment to the carrying out of the University’s functions, including those academic and administrative functions which are properly ancillary to those set out in Section 6 of the Act or which relate to the participation by any person in the activities of the University; or

c) is otherwise detrimental to the proper conduct of the University;

“senior officer” means a person holding the position of Deputy Vice-Chancellor, Pro Vice-Chancellor, Vice-Principal, Dean, Head of a Department or School, Manager or Director of an Administrative Branch, University Librarian, Director of Information Technology Services or such other positions as Council may from time to time by resolution determine;

“student” means a person enrolled at the University or in any course or program offered in conjunction with the University.

Introduction

4) The Vice-Chancellor shall have power in accordance with these Rules to take disciplinary action against any student for misconduct.

5) The Vice-Chancellor may, for reasons of convenience or of natural justice, appoint the Deputy Vice-Chancellor or a Pro Vice-Chancellor of the University to exercise any or all of the duties, powers or responsibilities under these Rules; the Vice-Chancellor shall report any such delegation to Council.

Urgency Provisions

6) The Librarian, or in his/her absence the Deputy Librarian, or in both their absences the officer-in-charge, in cases where the misconduct or breach is so serious to warrant it, may exclude any student from, or restrict the use by the student of, any Library facilities for such period as he/she thinks fit, if in the opinion of the University Librarian, Deputy Librarian or the officer-in-charge the student is guilty of misconduct in or about the Library precincts or facilities or in breach of any rules for the use of Library facilities as may be in force from time to time.

7) The Vice-Principal (Administration), or in his/her absence the Manager of the Academic and Student Services Branch, in cases where the misconduct or breach is so serious to warrant it, may exclude any student from attendance at a particular examination conducted by the University if in the opinion of the Vice-Principal (Administration) or the Manager the student is guilty of misconduct or is in breach of any rules applicable to the examination.

8) The Director of Information Technology Services, or in his/her absence the Manager, Facilities and Technical Services, in cases where the misconduct or breach is so serious to warrant it, may exclude any student from using, or restrict the use by the student of, any computing facilities owned or under the control of the University for such period as he/she thinks fit if in the opinion of the Director or the Manager the student is guilty of misconduct or is in breach of any rules applicable to the use of computing facilities.

9) Any action taken under Rules (6), (7) or (8) shall be reported in writing forthwith to the Vice-Chancellor or in his/her absence the Deputy Vice-Chancellor who may confirm, vary, quash or postpone the exclusion or restriction, as appropriate, if he/she thinks fit; a copy of the report shall be forwarded to the student by the person taking the action under Rules (6), (7) or (8).

10) Where conduct on campus or University-managed premises occasions the intervention of outside legal agencies, resulting in charges being laid or other action taken, that intervention of itself is sufficient for the Vice-Chancellor to take appropriate action including suspension of any student from the University.

11) Where the Vice-Chancellor takes action pursuant to (10), notice of this action shall be given to the student affected who may then request the Vice-Chancellor to refer the case to the Investigation Committee under the provisions of clauses (20), (21) and (22).

12) Any student excluded or restricted from using the Library or from attendance at examinations or from using the computing facilities pursuant to Rules (6), (7) or (8) respectively may make an immediate oral appeal to the Vice-Chancellor or in his/her absence to the Deputy Vice-Chancellor who, without prejudice to any action subsequently taken under Rule (9), may confirm, vary, quash or postpone that exclusion or restriction, as appropriate, if he/she thinks fit.

13) Any student excluded or restricted from using the Library or from attendance at examinations or from using the computing facilities pursuant to Rules (6), (7) or (8) respectively may, within 14 days of that action being taken, make a written appeal to the Vice-Chancellor who, notwithstanding any action he/she may have taken under Rule (9), may confirm, vary quash or postpone the action or refer the matter for investigation to the Investigation Committee.

Bringing of a Complaint

14) Complaints may be brought by a senior officer against any student for alleged misconduct. The complaint shall be in writing addressed to the Vice-Chancellor and shall give full details of the alleged misconduct.

15) The Vice-Chancellor, on receiving the complaint, shall within 14 days of receipt of the complaint or such further period not exceeding 28 days as he/she thinks fit, bring an allegation of misconduct against that student by referring the complaint in writing to the Investigation Committee for investigation unless the Vice-Chancellor forms the opinion that the complaint is unfounded or that the matters complained of do not constitute misconduct.
16) The Vice-Chancellor may, of his/her own motion, bring an allegation of misconduct against a student by referring a complaint in writing to the Investigation Committee for investigation.

Immediate Action by Vice-Chancellor

17) Notwithstanding any other provision of these Rules, if, in the opinion of the Vice-Chancellor, the circumstances referred to in Rules (6), (7) or (8) or the subject of the complaint brought under Rules (14) or (16) are such that immediate or further action is required, the Vice-Chancellor may:
- suspend a student from the University, or
- exclude the student from, or restrict the use by the student of, any Library facilities, or
- exclude the student from attendance at any examinations and/or withhold the examination result(s) for relevant subject(s), or
- exclude the student from using, or restrict the use by the student of, any computing facilities;
and shall in such circumstances refer the matter to the Investigation Committee; the action taken by the Vice-Chancellor shall remain in force until the Investigation Committee has dealt with the matter.

18) Any action taken by the Vice-Chancellor in accordance with Rule (17) shall be conveyed in writing to the student by the Vice-Principal (Administration).

19) Upon being informed by the Vice-Principal (Administration) of any action taken under Rule (17) the student shall cease to attend the University or to enter the Library or to attend examinations or to use the computing facilities as the case may be and, if so directed by the Vice-Chancellor, shall refrain from entering on any premises of the University.

Referral to Investigation Committee

20) If the Vice-Chancellor decides pursuant to Rule (15) that the matter warrants referral to the Investigation Committee or if action is taken pursuant to Rule (14), or to a request under Rule (11), the Vice-Principal (Administration) shall forthwith send the student concerned a copy of the reference of the complaint to the Investigation Committee, a copy of the documentation to be considered by the Investigation Committee and a copy of these Rules.

21) In addition, a copy of the reference referred to in Rule (20) shall be forwarded to the senior officer who brought the complaint, and, if appropriate to the particular complaint, copies of the reference shall be forwarded, in confidence, to the Dean of the Faculty responsible for the course in which the student is enrolled and to the Head(s) of the Unit(s) offering the subject(s) in which the student is enrolled and for which the complaint is concerned.

22) The Vice-Chancellor's reference to the Investigation Committee shall set out a full statement of the alleged misconduct but the Vice-Chancellor shall not be obliged to include a copy of the original complaint.

23) If the matter referred to the Investigation Committee by the Vice-Chancellor relates to a breach of the Examination Rules, the Vice-Chancellor may withhold the examination result(s) for the relevant subject(s) pending the outcome of the investigation by the Investigation Committee.

Investigation Committee

24) The Investigation Committee shall on receipt of a complaint and as promptly as possible investigate the complaint and report its finding to the Vice-Chancellor.

25) The Investigation Committee shall consist of:

for non-academic cases:
- the Deputy Vice-Chancellor or a Pro Vice-Chancellor, as chairperson;
- a senior member of academic staff appointed by the Vice-Chancellor for a one year term of office, or, if the appointee is not available for any investigation, a senior academic staff member nominated by the Vice-Chancellor to act for a particular meeting or meetings;
- the President of the Students' Representative Council in the University or, if not available, another member of the Students' Representative Council nominated by the President.

for academic cases:
- the Chair of the Academic Senate or, if not available, the Deputy Chair of the Academic Senate as Chairperson;
- a senior member of academic staff appointed by the Vice-Chancellor for a one year term of office, or, if the appointee is not available for any investigation, a senior academic staff member nominated by the Vice-Chancellor to act for a particular meeting or meetings;
- the President of the Students' Representative Council in the University or, if not available, another member of the Students' Representative Council nominated by the President; and
- where both genders are not represented on the Committee, the Vice-Chancellor shall appoint a member of the appropriate group to redress this situation.

26) The Committee shall conduct its proceedings in accordance with the Committee Procedures set out in the Appendix.

27) The Chairperson of the Investigation Committee shall have a deliberative vote but not a casting vote, except in cases where the Committee comprises an equal number of members.

28) If any member of the Investigation Committee is unable or unwilling to act, the Vice-Chancellor may appoint a senior officer or a member of the Senate or a student as the circumstances may require to serve on the Committee.

29) No person having acted on behalf of the University in any one of the matters referred to in a particular complaint shall be qualified to sit on the Investigation Committee investigating the complaint.

30) The Vice-Principal (Administration) or his/her nominee shall be Secretary to the Investigation Committee and shall assist the Committee in whatever way the Committee, through its Chairperson, may from time to time direct.

31) The Investigation Committee shall have the power to require any member of staff of the University or any student to appear before it with a view to assisting the investigation.

32) The Investigation Committee may, in accordance with its findings under Rule 24, recommend to the Vice-Chancellor:
- that the allegations be dismissed;
- that no further action be taken against the student concerned;
- that the student be reprimanded by the Vice-Chancellor;
- that the student be fined and, in the event of multiple instances of misconduct, multiple fines may be applied; the fine for each instance shall not exceed $250. (NB - refer to (b) below)
- in addition, where the misconduct is related to a breach of Examination Rules, that the student be awarded a Fail grade for the relevant subject(s);
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c) that the student be suspended from the University for a limited period and in addition, where the misconduct is related to a breach of Examination Rules, the Committee may recommend that the student be awarded a Fail grade for the subject(s); or

f) that the student be expelled from the University and in addition, where the misconduct is related to a breach of Examination Rules, the Committee may recommend that the student be awarded a Fail grade for the subject(s); or

g) such other penalty as the Committee may deem appropriate in the particular instance of misconduct;

h) and, in cases of damage to University property or any other action incurring a cost to the University, that, in addition to any penalty recommended above, the student may be charged for the costs incurred in replacing or repairing the property or in redressing any other results of the misconduct.

In recommending a penalty under clauses (e) to (h) above, the Committee may further recommend that the imposition of the penalty be suspended under whatever conditions and for whatever period of time the Committee deems appropriate to the particular circumstances of the complaint.

Result of Investigation

33) On receipt of the recommendation of the Investigation Committee, the Vice-Chancellor may refer the recommendation back to the Committee for further consideration or, in accordance with the recommendations dismiss the allegations, take no further action, reprimand, fine, suspend or expel the student; in addition to fining, suspending or expelling the student, the Vice-Chancellor may (a) award a Fail grade for the relevant subject(s) where the misconduct is related to a breach of Examination Rules; and/or (b) charge the costs of replacing or repairing any damaged property.

34) The decision of the Vice-Chancellor, including any decision to refer the matter back to the Investigation Committee, shall be conveyed in writing to the student by the Vice-Principal (Administration), except in the case where a student is to receive a reprimand in which case the reprimand shall be conveyed in writing by the Vice-Chancellor.

35) A copy of the letter forwarded to the student in accordance with Rule (34) shall be forwarded, in confidence, to the senior officer who brought the complaint and to any person to whom a copy of the reference of complaint was forwarded in accordance with Rule (19) and, in cases where University Security staff have been called, the Head of Security.

Appeal

36) Any student against whom action is taken pursuant to Rule (33) may appeal to Council on the grounds of lack of due process in the investigation of the complaint.

37) The appeal must be lodged in writing to the Vice-Principal (Administration) within 14 days, or within such further period as Council shall allow, or the notification of the Vice-Chancellor's action.

38) An appeal lodged by a student pursuant to Rule (36) shall be referred by the Vice-Principal (Administration) to the Committee of Appeal if the Vice-Principal (Administration) is satisfied that the appeal is based on grounds of lack of due process.

39) If the Vice-Principal (Administration) determines that an appeal lodged by a student is not based on the grounds of lack of due process, he/she shall notify the student accordingly in writing.

40) If the Vice-Principal (Administration) determines that the appellant has presented new or additional information in the appeal that was not available to the Investigation Committee, he/she shall refer the matter to the Investigation Committee for reconsideration.

Committee of Appeal

41) The Committee of Appeal shall investigate the appeal and shall decide whether due process in terms of the Committee Procedures set out in the Appendix has been followed by the Investigation Committee.

42) The Committee of Appeal shall consist of:

- the Deputy Chancellor, as Chairperson;
- the student member of Council or, if not available, another student appointed by Council;
- one other member of Council appointed by Council; and
- where both genders are not represented on the Committee, the Chancellor shall appoint a member to redress this situation.

43) The Chairperson of the Committee of Appeal shall have a deliberative vote but not a casting vote, except in cases where the Committee comprises an equal number of members.

44) No person who is a member of the Investigation Committee for a particular matter shall be a member of the Committee of Appeal for the same matter.

45) The Vice-Principal (Administration) or his/her nominee shall be Secretary to the Committee of Appeal and shall assist the Committee in whatever way the Committee, through its Chairperson, may from time to time direct.

46) If any member of the Committee of Appeal is unable or unwilling to act or if the matter of the appeal is of such urgency that the establishment of the Committee of Appeal would be unnecessarily delayed by waiting until the next scheduled meeting of Council, the Chancellor may appoint a member of Council or, in the case of the student member being unable to serve, another student to serve on the committee as the circumstances may require.

Result of Appeal

47) In those cases where the Committee of Appeal determines that due process was followed by the Investigation Committee, it will confirm the action taken by the Vice-Chancellor on the advice of the Investigation Committee and the Vice-Principal (Administration) shall inform the student accordingly in writing.

48) In those cases where the Committee of Appeal determines that there has been a lack of due process in the consideration of the case by the Investigation Committee, it will refer the matter back to the Investigation Committee with full details of the lack of due process found by the Committee and direct the Committee to reconsider the matter; the Vice-Principal (Administration) shall inform the student accordingly in writing.

Ceases to hold office

49) A member of the Investigation Committee or the Committee of Appeal who, during the currency of an investigation by the Committee of which he/she is a member, ceases to hold the office by virtue of which he/she is a member of that Committee shall remain a member of the Committee until its investigation has been completed.

Inability to act

50) If during the currency of an investigation by the Investigation Committee or the Committee of Appeal a member of the Committee becomes unable, for a period as would unduly delay the completion of the investigation, to act through illness or any other cause, the Committee may complete its investigation in his/her absence if at least 2 members are able to act.

Serving of Notices

51) A document or notice required to be served on or given to a student under these Rules may be served on the student personally within the University or be sent by certified post addressed to the
student’s last known place or residence. If posted, service shall be deemed to have been effected on the student on the date on which it would have been delivered in the ordinary course of the post.

Effect of Penalties

52) A student who is expelled from the University shall not be re-enrolled except by permission of Council.

53) A fine imposed on a student pursuant to Rule (32) shall be paid into the general funds of the University.

54) A fine imposed on a student pursuant to Rule (32) shall be payable within 14 days of the date of notification of the fine, but an extension of time for payment may be granted by the Vice-Principal (Administration).

55) The payment of a fine shall be suspended while an appeal from the decision imposing it is pending.

56) If a fine imposed under Rule (32) is not paid within the time limited for its payment, the student shall be suspended and shall remain suspended so long as the fine remains unpaid.

57) When a fine, suspension or expulsion pursuant to Rule (32) is imposed on a student the student shall be notified in writing that he/she has a right to appeal in accordance with these Rules.

58) Suspension or expulsion imposed on a student pursuant to Rule (32) shall be deemed to be inoperative while an appeal from the decision imposing it is pending.

Suspension/Termination of Proceedings

59) The Vice-Chancellor may at any time suspend any disciplinary proceedings, including the appeal proceedings, against a student if, in the opinion of the Vice-Chancellor, the continuation of such proceedings may be in conflict with other proceedings or action being taken by the student, whether within the University or outside.

60) The Vice-Chancellor may terminate any disciplinary proceedings, including the appeal proceedings, if, at any stage, the student withdraws his/her enrolment with immediate effect.

General

61) Nothing in these Rules affects the power of any person or body in the University duly authorised to administer any University rule not inconsistent with these Rules and, in particular, nothing in these Rules affects any power of a committee or person or other authority within the University to withdraw a student from a course, or to cancel the enrolment of a student, or to refuse a person further enrolment for any course or subject, or to deal otherwise with his/her case, by reason of his/her failure to satisfy academic requirements or to pay any fee, fine, charge or other money payable to the University.

62) Nothing in these Rules affects the power of Council to make rules given by any provision of the By-law.

63) Nothing in these Rules shall be interpreted as limiting in any way any power vested in Council by the Act or any other rule of the University or as limiting the right of the University to enforce by any other means any right vested in it or to take any other action which it may be entitled or empowered to take in the circumstances.

Appendix: Committee Procedures

A Committee shall conduct its investigation in accordance with the principles of natural justice, shall not be bound to conduct its proceedings in accordance with any rules of evidence or procedure, may disallow, inter alia, questions which it considers to be unseemly or irrelevant for the nature of its investigation, and in particular, but without prejudice to the generality of the foregoing, shall:

a) give the student concerned due notice of the nature of the investigation against him/her;

b) give the student concerned an opportunity to be heard;

c) give the senior officer bringing the complaint and/or any other staff member or student involved in the event(s) leading up to the complaint an opportunity to be heard and advise them of Committee procedures and time requirements.

d) with 7 days prior notice to the student, permit the student to be assisted or represented by such agent as he/she desires, whether a legal practitioner or otherwise;

e) at the discretion of the chairperson, permit any person appearing before the committee, in accordance with section (c) above, to be assisted or represented by such agent as he/she desires, whether a legal practitioner or otherwise;

f) warn all persons appearing before the Committee that they are expected to conduct themselves in a reasonable and responsible manner during the proceedings and that any form of behaviour which is an impediment to the proceedings shall of itself be regarded as a breach of the Rules;

g) where the conduct of any person interferes with any other person’s right to be heard, be entitled to remove that person from the meeting and to hear their evidence separately;

h) permit the student to nominate witnesses to appear in support of his/her defence against the complaint;

i) permit any person appearing before the Committee in accordance with (c) above to nominate witnesses to appear in support of his/her evidence;

j) in cases where the Committee finds that the complaint is proven, give the student the opportunity to be heard on the issue of penalty and to nominate character references to appear before the Committee;

k) hold all its proceedings in camera and keep an adequate record of the evidence and its decision;

l) with the consent of the student concerned, allow any member of the University to have access to that record.

THE USE OF UNIVERSITY COMPUTING FACILITIES

The computing facilities at Wollongong are provided for the use of Wollongong students, faculty and staff in support of the programs of the University. All students, faculty and staff are responsible for ensuring that these computing facilities are used in an effective, efficient, ethical and lawful manner. The following rules relate to their use.

1. In these rules:

a) “University” means the University of Wollongong;

b) “computer facilities” refers to:

i) all networking services, computer equipment and software, owned, leased or used under licence by the University including the University’s administrative computer system;

ii) computer facilities maintained by other bodies but available for use through an agreement or agreements with the University; and

iii) all other computing facilities wherever situated where access is by means of University provided services;

c) “computer user” means any person using the computer facilities.

2. By use of any University computer facilities a computer user agrees to abide by these rules.
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3. Each computer account is assigned to one computer user only and is to be used solely for those purposes authorised by that user’s head of department/school/branch. The individual is responsible for the proper use of the computer account, including following recommended procedure for password protection. Access to information is provided on a confidential basis and that confidentiality is to be respected. Where access to facilities (including the Library catalogue and many microcomputers) is provided without a formal account and/or password then the provisions of these rules still apply.

4. University computing policy requires that users:

a) do not use any other person’s computer account (even with the owner’s permission);

b) do not disclose their own or attempt to discover any other computer user’s password;

c) do not copy, disclose or transfer any of the computer software provided by the University without the written permission of Information Technology Services or appropriate department or branch;

d) do not use any University computer facilities to violate the terms of any software license agreement, or copyright provisions;

e) do not copy, rename, change, examine or delete files or information belonging to some other user or to the University (students and staff who use computing facilities have the right to privacy and security of their computer programs and data);

f) do not deliberately use computing facilities to harass others, or to interfere with their work (for example to send obscene, abusive, fraudulent, threatening or repetitive messages to a user or users, is a breach of this policy);

g) do not attempt to modify system facilities, illegally obtain extra resources, degrade the performance of any system, or attempt to subvert the restrictions associated with any computer system, computer account, network service or microcomputer software protection;

h) do not tamper with terminals, microcomputers or any other associated equipment (faults should be reported to the department or to Information Technology Services);

i) do not collect or discard any output without the owner’s permission;

j) do not smoke, eat or drink around terminals, microcomputers or other computer equipment.

5. A computer user may not use computer facilities for or on behalf of any party for the purpose of profit-making or commercial activity, unless written permission has been obtained from the Director of Information Technology Services or a nominee.

6. Where the University decides to levy charges for use of particular computer facilities, each computer user agrees to pay such charges according to the schedules issued by the University. Implementation of, or changes to, these schedules will be announced at least 90 days before the beginning of the session in which they are to take effect.

7. Computing hardware may be connected to the University’s networking facilities only after approval by the Director of Information Technology Services or a nominee.

8. The University reserves the right to upgrade any of its computer facilities, as required, in the manner determined by its officers. Upgrades requiring substantial changes to user procedures will be announced at least 30 days before they are to take effect.

9. The University reserves the right to withdraw the availability of any computer facilities without notice and without penalty under the terms of any agreement concerning use of the computer facilities.

10. The use of computer facilities is provided without any express or implied guarantees as to the accuracy of computational results and output. The University accepts no responsibility for any consequences arising from the inaccuracy of any information generated through use of the computer facilities.

11. The University shall not be responsible for the loss of any information or software stored in the computer facilities. Although standard back-up procedures will be in operation on central computer facilities, the computer user assumes full responsibility for the maintenance of duplicates of any information or software belonging to the computer user.

12. The University reserves the right for authorised staff members responsible for computer systems security to monitor all computer usage, to ensure conformance with these rules and to maintain a secure, efficient and effective computing environment.

CODE OF CONDUCT - LIBRARY

Preamble

The Code of Conduct - Library applies to the behaviour required of users of the University Library facilities and services. Users are required to respect and comply with the conditions necessary to provide an appropriate atmosphere for study and research.

The Code was approved, as University policy, by the University Council on 8 April 1994.

Disciplinary Action

Any member of the staff of the University of Wollongong Library has delegated authority to require users to abide by the conditions of the Code of Conduct. Failure to respect the conditions of the Code may lead to fines or immediate suspension of access to the Library and its services, including borrowing rights.

Moreover, serious infringement of the Code, causing damage to property, disruption of Library processes and interference with the rights of other users and staff, may be defined as an act of misconduct under the University’s Rules for Student Discipline and Rules for Campus Access and Order. The Librarian and the Deputy Librarian are “authorised/senior officers” of the University under the Discipline Rules and, as such, are authorised to initiate procedures that may lead to fine, suspension or exclusion from the University.

Conditions of the Code of Conduct for the Use of the Library

1. All users have a right to use the facilities of the University Library without undue distraction or disturbance.

2. Within the precincts of the University Library, no person shall act in a manner which interferes with the comfort or convenience of other users.

3. Under the University’s Rules for Campus Access and Order, Library Identification cards must be carried during attendance at the University and shown in response to any reasonable request from any member of staff who might require such identification in the course of their duties. Any Library user, whether or not a member of the University, shall produce identification on request from a member of Library staff.

4. It is a condition of entry into the University Library that all bags, folders or other receptacles capable of containing Library materials and their contents may be inspected by Library staff.

5. In accordance with University policy, smoking is not permitted in the Library.

6. No substance which is liable to cause damage to Library materials may be taken into the University Library, this includes food and drink items and flammable items.
7. Animals, with the exception of guide dogs for the visually and hearing impaired, are not permitted within the University Library.

8. Talking is not permitted in reading areas; quiet conversation is allowed for the purpose of seeking assistance in the use of the catalogues or the collection.

9. The reservation of seats in public reading areas is not permitted.

10. Books and other articles left unattended in the Library for more than twenty minutes on chairs and tables may be removed by the Library staff. Articles left in these areas at closing time will be cleared away and sent to the Security Office lost property section. The University accepts no responsibility for personal belongings left in the building.

11. Library users are responsible for all material borrowed in their name and will be charged the replacement cost of any item not returned.

12. No user shall deface, mutilate or destroy Library materials; in addition to any penalty that may be imposed for such conduct, the person concerned shall be liable to pay for the full cost of repair or replacement of damaged materials.

13. Users are responsible for all Library materials borrowed in their name until such time as the items are returned to the Library and deleted from the loans register. Borrowers will be charged the cost of replacing any item which is not returned.

14. Fines may be imposed for overdue items. Details of fine rates and borrowing conditions are available in the Library. Other penalties may be imposed for the late return of Library material.

15. Any person within the Library precincts from time to time will, for the purposes of these conditions, be deemed a "user".

Revision of Conditions

The Vice-Chancellor, on the advice of the Library Committee and of the University Librarian, may revise and update the conditions for the use of the University Library.

Publication of Code & Rules

A copy of the Code of Conduct and the relevant Rules for Student Discipline and Rules for Campus Access and Order are displayed at the entrance to any location or facility used by the University for the provision of library services.
B. GENERAL COURSE RULES

1. PREAMBLE:

Students should note that the University's Course Rules are under review and are likely to change between the issue of this Calendar and the commencement of the 2001 Academic Year. Students are advised, therefore, to consult the University's On Line Calendar prior to enrolment. The Web address is: www.uow.edu.au/student/calendar/.

2. INTRODUCTION

The General Course Rules govern registration, enrolment, progression through and qualification for undergraduate and postgraduate courses offered by the University and are to be read in conjunction with the appropriate Award Rules.

These rules became operative on 1 January 1998.

3. INTERPRETATION

1. In the interpretation and implementation of these Rules, Council will normally act on the recommendation of appropriate authorities within the University.

2. In these Rules, unless the contrary intention appears:

   3. 'Council' is the Council of the University of Wollongong;

   4. 'approved' or 'approval' means approval by Council or under authority delegated by Council;

   5. 'candidate' is a person registered for a course;

   6. 'undergraduate' refers to candidates or courses for bachelor degrees;

   7. 'postgraduate' refers to candidates or courses for graduate certificates, graduate diplomas, masters degrees, honours masters degrees and doctoral degrees;

   8. 'course' is the subject or combination of subjects which a candidate takes for a certificate or a diploma or a degree;

   9. 'double degree' is an approved course leading to the conferral of two degrees as separate awards upon a candidate who has completed with the Course Requirements for double degrees and the two individual Course Requirements inclusively;

10. 'full time candidate' is a candidate enrolled for a program which, for each session of registration, is three eighths or more of an annual requirement for course completion in normal minimum time;

11. 'part time candidate' is a candidate who is not a full time candidate;

12. 'external candidate' is a part time candidate registered for a course which has been approved for offer in an external mode;

13. 'program' is the combination of subjects in which a candidate is enrolled in any one session or year;

14. 'course structure' refers to the specific program of subjects which a candidate undertakes to meet the requirements of a certificate, diploma or degree;

15. 'schedule' refers to all subjects approved for inclusion in a course leading to an award;

16. 'session' is one of the three periods, autumn session, spring session, summer session, in which subjects are offered each year;

17. 'year' or 'academic year' or 'annual' refers to the period comprising autumn session, the following spring session and the following summer session;

18. 'weeks of session' are the weeks counted from the beginning of a session and not including weeks scheduled as University recess;

19. 'subject' is a self-contained unit of study identified by a unique number;

20. 'research subject' is a subject at 900 level with a value of 24 or more credit points, being either a thesis or a minor thesis, and taken for an honours masters degree or a doctoral degree;

21. 'thesis' is a research subject with a value of 48 credit points;

22. 'minor thesis' is a research subject with a value of 24 or 36 credit points;

23. 'credit point' is the value attached to a subject as a component of a degree and, for a subject other than a research subject, each credit point has an implied workload of 28 hours over the duration of that subject;

24. 'weighted average mark' is the average of marks gained by a candidate in a program, programs or course and weighted by credit point value and by level;

25. 'sessional subject' is a subject, other than a research subject, offered during one of autumn session, spring session or summer session;

26. 'double session subject' is a subject, other than a research subject, offered for the duration of two sessions;

27. 'triple session subject' is a subject, other than a 100 level subject or a research subject, offered for the duration of three consecutive sessions;

28. 'modular subject' is a subject, other than a research subject, offered for a defined approved period not constrained by a session of the University, and which may be offered externally;

29. '100 level subject' is a subject at first year level;

30. '200 level subject' is a subject at second year level;

31. '300 level subject' is a subject at third year level;

32. '400 level subject' is a subject at fourth year level;

33. '500 level subject' is a subject at postgraduate level;

34. 'co-requisite subject' is a subject which must be completed satisfactorily before the subject for which it is prescribed may be taken;

35. 'co-requisite subject' is a subject which must be completed satisfactorily before, taken concurrently with or, at the discretion of the Head, attempted before the subject for which it is prescribed;

36. 'Head' means the Head of the relevant academic unit, or the relevant Course Co-ordinator;

37. 'Supervisor' is a person approved to supervise the work of a candidate in a research subject;

38. 'Academic Adviser' is a person approved to advise candidates on programs of study;

39. 'research' is the number of credit points granted towards a course for work completed satisfactorily outside that course;

40. 'specified credit' is credit for a specific subject or subjects listed in a Schedule and is granted on the basis of satisfactory completion...
of a substantially corresponding subject or subjects at an approved tertiary institution;

40. 'unspecified credit' is credit granted on the basis of satisfactory completion, at an approved tertiary institution, of a subject or subjects not substantially corresponding to subjects listed in the appropriate Schedule;

41. 'exemption' is the waiving of the requirement that a subject prescribed for a course be completed satisfactorily and is granted, as exemption A, B or C, on the basis of the satisfactory completion of an appropriate subject, subjects or other work at an approved tertiary institution or other establishment, as follows:

exemption A: the subject is regarded as having been completed satisfactorily for all purposes;

exemption B: the subject is regarded as having been completed satisfactorily for all purposes except the satisfying of a pre-requisite requirement;

exemption C: the subject is regarded as having been completed satisfactorily, but not for the purposes of either the satisfying of a pre-requisite requirement or the accrual of credit points; and

42. 'leave of absence' is a period of leave from the University for which prior approval has been obtained.

4. Admission (Formerly Course Rule 004)

1. To qualify for admission as a candidate for:
   a) a bachelor degree, a person shall comply with requirements of the Rules for Admission to Undergraduate Courses; or
   b) a graduate certificate, a graduate diploma or a masters degree, a person shall have qualified for a bachelor degree of the University or for an equivalent qualification from an approved institution; or
   c) an honours masters degree, a person shall have qualified for a bachelor degree in the same discipline as the proposed degree, or in an appropriate discipline of the University or for an equivalent qualification from an approved institution; or
   d) a doctoral degree by thesis, a person shall comply with requirements for admission set out in the relevant part of the Rule governing the course, except that, in appropriate circumstances, an applicant who does not qualify for registration under Rule 4(1)(b), (c) or (d) may be permitted to register as a candidate for a postgraduate course provided that evidence is submitted of such tertiary academic and professional attainment as may be approved.

2. An application for admission as a candidate shall be made on the prescribed form and be lodged as directed by the specified date.

3. Notwithstanding any provisions of these Rules, an applicant may be required to demonstrate fitness for candidature by carrying out such work and satisfactorily completing such examinations as may be prescribed.

4. Council may refuse admission to a qualified applicant should there not be appropriate and sufficient personnel or resources to enable the candidate to undertake the course, or should there be a limitation imposed on the number of candidates to be registered for that course, or should other restrictions or limitations be applied to that course.

5. A person admitted as a candidate shall register for the particular course for which admission was sought and shall be then subject to all relevant Rules and requirements.

6. A candidate for an honours bachelor degree, or for a postgraduate course under Parts 2, 3, 4, 5 or 6 of the Award Rules shall enrol as a full time candidate or as a part time candidate, or for approved courses, as an external candidate.

7. Continuation of registration is contingent upon compliance with any approved conditions imposed at initial registration or thereafter.

8. Except with approval, and then under approved conditions, a candidate shall not be registered concurrently for more than one course in this University or other tertiary institution.

9. A person who, in the opinion of Council, has an unsatisfactory academic record in, or who is suspended, expelled or expelled from, any tertiary institution shall not be permitted to register for any course.

10. Except with approval in exceptional circumstances, a candidate is subject to the course time limits set out in Rule 6.4.

11. A candidate who changes registration from one type of candidature referred to in Rule 4(6) to another shall be subject to approved time limits.

12. A person who has not completed requirements for a course after expiration of the maximum period of registration set out for that course in Rule 6.4 and for whom continuance of registration has not been approved shall not be permitted to register again for that course.

5. Advanced Standing

Students enrolling for courses may seek advanced standing on the basis of tertiary studies completed prior to their enrolment at the University of Wollongong. Studies undertaken at other universities, colleges of advanced education and TAFE may be considered for advanced standing. Applications for advanced standing must be accompanied by full documentation of previous studies, viz. photocopies of the relevant pages from the Handbook/Calendar of the institution concerned and a certified transcript of results.

5.1 Regulations Governing Advanced Standing (formerly referred to as Course Rule 012)

1. A candidate who has completed, at an approved tertiary institution or other establishment, one or more subjects or other work approved for the purpose of this Rule may apply for such advanced standing as detailed below.

2. With prior approval, a candidate may be permitted to enrol for a subject at another tertiary institution and, on satisfactory completion of that subject, have it counted towards a course of this University.

3. Except with approval, a candidate who has been granted specified credit for a subject or subjects satisfactorily completed at this University or elsewhere shall not be permitted to count substantially corresponding subjects towards a course of this University.

4. Except when advanced standing is granted, a candidate shall not be eligible to obtain standing towards a course by satisfactory completion at this University of a subject which corresponds substantially with a subject or subjects completed satisfactorily previously and counted towards a qualification at an approved tertiary institution.

5.2 Summary of Advanced Standing Allowable (formerly referred to as Attachment E)

1. An application for advanced standing shall be made on the prescribed form and lodged as directed.

2. An application for advanced standing for qualifications not herein covered will be determined on merit.
3. Except for the exclusion provided in 4.3(1)(e), the maximum advanced standing allowable is two thirds the minimum number of credit points required for the degree for which the advanced standing is sought.

5.4 Advanced Standing towards Honours Bachelor Degrees

Advanced standing for a course for one of the honours degrees listed in Rule 103(5) will not be approved.

5.5 Advanced Standing towards Postgraduate Courses

1. The maximum advanced standing allowable towards courses listed under Parts 2, 3, 4, and 5 of the Award Rules is 25% of the total credit point requirement for that course, except as provided in (2) below.

2. A candidate for the degree of honours masters under the provision of Rule 503 (3), who has completed other relevant qualifications, may be granted up to 48 credit points of advanced standing in respect to the requirements set out in Rule 503 (3)(b).

6. ENROLLMENT

6.1 General Enrolment Rules

1. During prescribed periods in each year, a candidate shall enrol in a program in accordance with requirements of these Rules and pay any required charges. Prior to the initial registration for a course, a candidate must consult with an Academic Adviser.

2. A candidate may enrol in a subject provided that:

   a) the conditions for enrolment specified for that subject are satisfied, save that a pre-requisite or co-requisite requirement may be waived by the Head;

   b) the candidate is not excluded by any restriction that may be imposed on the number of candidates to be enrolled in that subject;

   c) the subject is available in the nominated session or sessions, or in modular form;

   d) the candidate is not suspended, excluded or expelled from any tertiary institution;

   e) Council has determined that there are appropriate and sufficient personnel and resources to enable the candidate to undertake the subject; and

   f) the candidate is not indebted to the University.

3. Except with approval, a candidate shall not enrol in an annual program with a value of less than 12 credit points excepting that a candidate who needs less than 12 credit points to complete a course must enrol for all subjects needed to complete that course.

4. Except with approval, a candidate shall not enrol in a program which, for that candidate:

   a) in the first autumn session and the first spring session of registration for a bachelor degree other than the degree of Bachelor of Laws, has a value that exceeds:
48 credit points for the autumn session and the spring session combined;
24 credit points for autumn session;
24 credit points for spring session;

b) in the subsequent sessions of registration for a bachelor degree other than the degree of Bachelor of Laws, has a value that exceeds either:

i) 52 credit points for the autumn session and the spring session combined;
30 credit points for autumn session;
30 credit points for spring session;
14 credit points for summer session; or

ii) a prescribed program for:
   a year by more than 4 credit points;
   autumn session by more than 6 credit points;
   spring session by more than 6 credit points;
   summer session by more than 2 credit points;

c) in any session of registration for a course leading to the award of the degree of Bachelor of Laws either alone or as part of an approved double degree course, has a value that exceeds:
32 credit points for any autumn or spring session;
14 credit points for summer session;


d) in any session of registration for a postgraduate course either:

i) has a value that exceeds:
54 credit points for the autumn session and the spring session combined;
30 credit points for autumn session;
30 credit points for spring session;
14 credit points for summer session; or

ii) exceeds a prescribed program for:
   a year by more than 4 credit points;
   autumn session by more than 6 credit points;
   spring session by more than 6 credit points;
   summer session by more than 2 credit points;

c) for a course comprising modular subjects, exceeds 24 credit points at any period in time.

5. For the purposes of Rule 6(1.4), half the value of a double session subject shall be deemed to be taken in each of the two sessions during which the subject is offered and one third the value of a triple session subject shall be deemed to be taken in each of the three sessions during which the subject is offered.

6. A candidate enrolled in a subject in contravention of the conditions for enrolment specified in the appropriate Schedule shall be withdrawn from that subject unless permitted by the Head to remain enrolled.

7. A candidate who, in a particular year, is not permitted to enrol in a subject pursuant to these Rules may apply for permission to enrol in a subsequent year.

8. A candidate who is refused continuation of registration, through suspension, exclusion or expulsion may not enrol in any subject.

6.2 Variation of Course

1. After consultation with an Academic Adviser a candidate may apply to the Vice-Principal (Administration) for permission to change registration from one course to another.

2. Permission for a candidate to change registration is contingent upon any restriction that may be imposed on the number of candidates to be registered for a particular course.

3. Variation of enrolment associated with change of registration is contingent upon restrictions imposed by relevant provisions of Rules 6(1) and 6(3).

4. Upon change of registration, a candidate becomes subject to Rules relating to the course to which registration is changed.

5. At the end of a session, a candidate for a postgraduate degree under Part 5 or 6 of the Award Rules or for an honours bachelor degree may apply to change candidature from full time to part time or from part time to full time.

6. At any time prior to the submission of the thesis in the relevant research subject, a candidate for an honours masters degree may apply to change registration to a doctoral degree.

7. Except with approval to the contrary, restrictions imposed on enrolment or registration of a candidate prior to, or at the time of a change of registration shall continue to apply after change of registration. For a candidate for an undergraduate course, the Minimum Rate of Progress Rules will apply immediately upon change of registration should there be no provisions to the contrary.

6.3 Variation of Subjects (other than Research Subjects)

1. A candidate may withdraw from a subject by notifying the Vice-Principal (Administration) in writing, provided such withdrawal is made no later than the last day of the week (prescribed in clause 3.3 below) of the session in which offer of the subject is completed. A candidate withdrawing from one or more subjects is advised to seek advice from an academic adviser before submitting this notification.

2. Where a variation referred to in Clause 3.1 above is withdrawal from:

a) an autumn session or spring session subject before the end of the eighth week of the session of offer; or
b) a summer session subject before the end of the third week of the session; or
c) a double session or a triple session subject before the end of the second week of the second session in which the subject is offered;
d) a modular subject before the end of the week during which 60% of the duration of the subject has expired;

the candidate shall be deemed to have not enrolled in that subject, and that subject will then not appear on the academic record of the candidate.

3. Where a variation referred to in Clause 3.1 above is the withdrawal from:

a) an autumn session or spring session subject after the end of the eighth week, but before the end of the twelfth week of the session of offer; or
b) a summer session subject after the end of the third week but before the end of the fifth week of the summer session; or
c) a double session or a triple session subject after the end of the second week, but before the end of the eighth week of the second session in which the subject is offered;
d) a modular subject after the end of the week during which 60% of the subject has expired but before the end of the week during which 75% of the subject has expired:

the candidate shall be determined to have failed that subject (but no mark shall be recorded) unless withdrawal is for
acceptable medical, personal or other reasons. In this latter case, the candidate will be deemed to have discontinued the subject without penalty for the purposes of the Minimum Rate of Progress Rules and only the subject and date of discontinuance will appear on the academic record of the candidate.

4. After consultation with an Academic Adviser a candidate may apply to the Vice-Principal (Administration) for permission to enrol in an additional subject.

5. Permission for a candidate to enrol in an additional subject is contingent upon restrictions imposed by relevant provisions of Rules 6(1) and 6(3)(clauses 3.6 & 3.7 below).

6. Except with approval of the Head, a candidate may not enrol in:
   a) an autumn session or spring session subject after the expiration of the second week of the session; or
   b) a summer session subject after the expiration of the first week of the session; or
   c) a double session or a triple session subject after the expiration of the second week of the first session in which the subject is offered or after the expiration of the first week should the first session of offer be summer session.
   d) a modular subject after the expiration of the week during which 15% of the subject has expired.

7. Under no circumstances may a candidate enrol in:
   a) an autumn session or spring session subject after the expiration of the fourth week of the session; or
   b) a summer session subject after the expiration of the second week of the session; or
   c) a double session or a triple session subject after the expiration of the fourth week of the first session in which the subject is offered or after the expiration of the second week should the first session of offer be summer session.
   d) a modular subject after the expiration of the week during which 25% of the subject has expired.

6.4 Time Limits for Course Completion (formerly Referred to as Attachment A)

1. The minimum and maximum time limits for completion of courses (listed in clauses 4.2 to 4.8 below) apply except when approved to the contrary in exceptional circumstances. For postgraduate courses, the time limits do not include summer sessions.

2. A candidate may be registered for an undergraduate course for a maximum period of three times the normal minimum duration for completion of that course, excluding approved leave of absence. The normal minimum duration for an undergraduate course with value of 144 credit points is three years and pro rata for most courses having other credit point values.

3. A candidate for a graduate certificate may be registered for that certificate for no more than:
   a) two consecutive sessions as a full time candidate; or
   b) four consecutive sessions as a part time candidate.

4. A candidate for a graduate diploma or a 48 credit point masters degree may be registered for that diploma or degree for no more than:
   a) four consecutive sessions as a full time candidate; or
   b) eight consecutive sessions as a part time candidate.

5. A candidate for a 72 or a 96 credit point masters degree may be registered for that degree for no more than:
   a) six consecutive sessions as a full time candidate; or
   b) twelve consecutive sessions as a part time candidate.

6. A candidate for a 48 credit point honours masters degree may be registered for that degree for:
   a) no less than two consecutive sessions, and no more than four consecutive sessions as a full time candidate; or
   b) no less than three consecutive sessions, and no more than eight consecutive sessions as a part time candidate.

7. A candidate for a 96 credit point honours masters degree may be registered for that degree for:
   a) no less than three consecutive sessions, and no more than six consecutive sessions as a full time candidate; or
   b) no less than five consecutive sessions, and no more than twelve consecutive sessions as a part time candidate.

8. A candidate for a doctoral degree under Part 6 of the Award Rules by thesis may be registered for that degree for:
   a) no less than four consecutive sessions, and no more than eight consecutive sessions as a full time candidate; or
   b) no less than six consecutive sessions, and no more than twelve consecutive sessions as a part time candidate, except that:
      i) a candidate who, before registration, was engaged upon approved study may be exempted from not more than two sessions;
      ii) in special circumstances, a candidate may be permitted to devote not more than one calendar year to study at another institution provided that the work shall be supervised in an approved manner; and
      iii) in exceptional cases, a candidate may apply to be exempted from not more than two of the sessions stipulated in clause 4.8(a) or (b) above.

6.5 Leave of Absence

1. A candidate for one of the courses listed in Rule 102a), 202, 302, 402 or 502:
   a) becomes eligible to apply for leave of absence at the beginning of the second session of registration; and
   b) may be granted leave of absence for one or two sessions provided written application is made to the Vice-Principal (Administration) before the end of the fourth week of the first session for which leave is sought.

2. A candidate for one of the honours degrees listed in Rule 103(5) may be granted leave of absence for one or two sessions provided that written application is made to the Vice-Principal (Administration) before the end of the fourth week of the first session for which leave is sought, and provided that the application is for a substantial medical, personal or other reason.

3. A candidate for one of the courses listed in Rule 602 may be granted leave of absence for up to four sessions provided that written application is made to the Vice-Principal (Administration) before the end of the fourth week of the first session for which leave is sought.

6.6 Conferral of Awards

1. A course award may be conferred upon a candidate who has completed with relevant parts of these Rules, satisfied any
   requirement set out in Rule 7(1) and (2) and is not indebted to the University, provided that, in addition, a candidate for a bachelor degree has completed the requirements for the 300 level subject component of the major study while so registered, or for
prescribed courses, satisfactorily completed subjects with a value of at least 24 credit points while so registered.

2 A candidate who has qualified more than once at this University for the same course award, excepting as set out in Clause 6.3 below, and excepting for the Bachelor of Engineering, shall receive only a statement of the additional qualification setting out the subjects completed and the marks and grades attained.

3 A candidate who has qualified twice at this University for the same course award of degree of bachelor or honours degree of bachelor may be awarded the degree of Bachelor of Letters or the honours degree of Bachelor of Letters, as appropriate.

4 Application for an Academic Award: Applications for admission to a degree, diploma or associate diploma must be made on the appropriate form and by the due date for each session. It is the student’s responsibility to make an application to have an award conferred.

7. OTHER REQUIREMENTS

In addition to requirements set out in the Course Rules, candidates must satisfy the relevant requirements listed below.

7.1 Information Literacies Requirements

To satisfactorily complete the Information Literacies Requirements a candidate must:

a) activate their Unix computer account;

b) complete an information literacy session at the Library either by attending a workshop or through a self-paced alternative; and

c) complete and submit the information literacies assignment via the web.

As these skills are assumed knowledge for some subjects, students are encouraged to meet the Information Literacies requirements (listed above) within the first 6 weeks of session. A candidate who does not satisfy this requirement will have results withheld until the requirements are met. Advanced information literacies skills, which build on this basic level, will be integrated into each undergraduate’s academic program.

7.2 Minimum Mathematics Requirement

Prior to conferral of the degree of Bachelor of Science upon a candidate who has completed, for the degree, a major study comprising subjects offered by or for the Faculty of Science, the candidate must satisfy the minimum mathematics requirement by:

a) producing evidence that upon entry to the University, requirements for enrolment in the subject MATH187 Mathematics IA Part 1 have been satisfied; or

b) satisfactory completion of one of the subjects:

i) MATH187 Mathematics IA Part 1; or

ii) MATH141 Mathematics IC Part 1; or

iii) MATH151 General Mathematics IA.

8. ASSESSMENT

8.1 General Rules

1. In a subject, other than a research subject, the methods of assessment of performance of a candidate shall be determined by the Head.

2. In a research subject, the methods of assessment of performance of a candidate shall be determined by the provisions of Rules 10(4) & (5).

3. Any material presented by a candidate for assessment in a subject must be the work of the candidate and not have been submitted for assessment elsewhere unless otherwise approved.

4. a) Standards of achievement required for the approved grades of performance in a subject, other than a research subject, shall be determined by the Head.

   b) Such standards may include the requirement that candidates must satisfy minimum attendance levels at lectures, seminars, tutorials, practicals, laboratories or for other modes of instruction. Failure to comply with such requirements may constitute grounds for failure in a subject.

5. A mark and an approved grade of performance as set out in Rule 8(3) & (4), shall be determined and declared for each subject in which a candidate is enrolled.

6. Subjects satisfactorily completed at Pass Conceded or Pass Restricted grade may comprise no more than one sixth of the minimum credit point value of a course.

7. Should performance in a subject be affected by illness or other cause beyond the control of a candidate, the circumstances should be reported to the Vice-Principal (Administration) in writing, supported by evidence, normally no later than seven days following the illness or other cause. The circumstances shall be referred to the Head and may be taken into account when assessment of the candidate in that subject is made.

8. A candidate who satisfactorily completes a subject listed in the appropriate Schedule shall count only once the subject or the number of credit points attached to the subject in that Schedule towards the course.

9. Except with prior approval, a candidate who satisfactorily completes a subject shall not count that subject, nor the number of credit points attached to that subject, towards a course unless that subject is listed in the appropriate Schedule.

8.2 Examination Rules

Formal University examinations may take place at the end of each session. Timetables showing the time and place at which individual examinations will be held are posted on notice boards. Misreading of the timetable is not an acceptable excuse for failure to attend an examination. Examination results are posted to each student’s mailing address. No information concerning examinations or results will be given by telephone.

Part I - Interpretation

1. In these Rules, unless the contrary intention appears:

   a) “assessment work” means all essays, tests, papers, theses, demonstrations, performances and other work whatsoever whether written or otherwise other than examination papers within the meaning of any Course Rules or Schedules;

   b) “candidate” means any person registered for a degree, diploma, associate diploma or undertaking a non-award program;

   c) “examination” means any formally supervised examination in a subject held at a specified time and place;
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d) “examination question paper” means a paper incorporating questions prepared by the examiner for an examination;

c) “examination answer paper” means a paper written or dictated by a candidate in answer to the examination question paper during an examination;

f) “examination room” means a designated place where an examination is held;

i) “Examination Supervisor” means a person authorised by the Vice-Principal (Administration) with responsibility for the supervision of a particular examination held by the University.

Part II - Conduct at Examinations

2. No candidate shall, during any examination:

a) have in his or her possession any material other than material which the examiner for the subject concerned has specified may be taken into an examination room;

b) provide assistance to, or communicate with, any other candidate unless expressly approved by the examiner;

c) accept assistance from any candidate or other person unless such assistance has been expressly approved by the examiner;

d) permit any other candidate to read, copy from, or use his or her examination question or answer paper, unless expressly approved by the examiner;

e) use any other material belonging to or written by another candidate or other person unless expressly approved by the examiner;

f) by any means whatsoever, except as approved by the examiner, obtain, or endeavour to obtain, assistance in his or her work, or give, or endeavour to give, assistance to any other candidate;

g) remove from the examination room any examination answer paper or other paper provided for use by the candidate during the course of the examination, or other material which is the property of the University unless permitted by the Examination Supervisor or examiner to remove it;

h) contravene the Rules and Procedures for the Conduct of Examinations;

i) cause any disturbance or be guilty of any conduct likely to disturb any other candidate; or

j) be guilty of any other act of misconduct as defined in Section 3 of the Rules for Student Discipline.

3. Any candidate who wishes to make an enquiry regarding an examination shall direct that enquiry in writing to the Vice-Principal (Administration).

Procedure

4. Should an Examination Supervisor have reason to believe that a candidate has committed, or is attempting to commit, a breach of any provision of clause 2 of these Rules, the Examination Supervisor shall immediately warn the candidate and shall report the matter in writing to the Vice-Principal (Administration). The candidate normally shall be allowed to complete the examination but in circumstances considered appropriate by the Vice-Principal (Administration) or other person authorised by the Vice-Principal (Administration), the candidate may be excluded from the examination room under the provisions of Section 7 of the Rules for Student Discipline.

5. The Examination Supervisor may take possession of any material brought into an examination room in contravention of clause 2a) of these Rules.

6. The Examination Supervisor shall forward the material referred to in clause 5 to the Vice-Principal (Administration) with the report made pursuant to clause 4.

7. A candidate excluded from an examination room under clause 4 may appeal to the Vice-Chancellor under Section 10 of the Rules for Student Discipline.

8. The Vice-Principal (Administration) may refer a report pursuant to clause 4 to the Vice-Chancellor, in which event the reference shall be deemed to be a complaint pursuant to Section 12 of the Rules for Student Discipline and the Vice-Chancellor shall either:

a) refer it to the Investigation Committee for investigation; or

b) not proceed with it further should the Vice-Chancellor form the opinion that the complaint is unfounded or does not constitute misconduct.

9. The material confiscated pursuant to clause 5 shall be returned to the candidate at the conclusion of all action relating to the alleged breach of Rules by the Vice-Chancellor, the Investigation Committee and/or the Council Committee of Appeal.

10. Should an allegation be made that a candidate has breached any provision of clause 2 of the Rules, the candidate’s examination result for the subject concerned shall be withheld by the Vice-Principal (Administration) pending proceedings of the Investigation Committee and/or the Council Committee of Appeal.

Penalties

11. Should the Investigation Committee proceed pursuant to clause 8a) with the report of an alleged breach of any provision of clause 2 and find the candidate guilty of the misconduct alleged against him or her, the Investigation Committee, in addition to recommending penalties set out in Section 27 of the Rules for Student Discipline:

a) may recommend to the Vice-Chancellor that the candidate receive a zero mark;

b) may recommend that the candidate be given the opportunity to sit a supplementary, special or other examination and to be assessed on that examination paper.

12. A candidate may appeal to the Council Committee of Appeal on the grounds of lack of due process in the investigation of the complaint.

Part III - Assessment Work

13. For any subject for which they are enrolled, candidates are required to submit the prescribed assessment work in accordance with the instructions of the relevant examiner and the University Rules.

14. Any assessment work submitted by a candidate must be in accordance with Course Rule 8.1(3) which requires that such work must be the work of the candidate and not have been submitted for assessment elsewhere unless otherwise approved; if any material which is not entirely the work of the candidate is used, in whole or in part, fully documented reference to such material must be made.

15. The procedures and penalties set out in clauses 8, 11 and 12, with modifications appropriate to the circumstances, shall apply in relation to an alleged breach of the provisions of Part III of these Rules by a candidate.
Part IV - Rules & Procedures for the Conduct of Examinations

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a) A candidate must obey any instruction given by an Examination Supervisor for the proper conduct of an examination.

b) A candidate must produce the student identification card for identification purposes for each examination. Should a candidate fail to do so, the candidate may be refused admission to the examination room. A candidate wearing a veil must remove it for identification purposes; on request by the candidate this may be done in private before a female Examination Supervisor.

c) A candidate should be in place in the examination room not less than ten (10) minutes before the time specified for the commencement of the examination.

d) No candidate shall be admitted to an examination room more than thirty (30) minutes after the commencement of the writing time of the examination.

e) No candidate shall be permitted to leave the examination room before the expiry of thirty (30) minutes from the commencement of writing time of the examination.

f) No candidate shall be re-admitted to the examination room after leaving it unless, during the full period of absence, the candidate is under approved supervision.

g) Following the ten (10) minute warning given by the Examination Supervisor before the end of the examination, all candidates shall remain seated until the examination answer papers have been collected.

h) Except for candidates who have left the examination room prior to the ten minute warning referred to in sub-clause (g) above, all candidates shall remain seated until all examination answer papers have been collected and the Examination Supervisor permits candidates to leave the examination room.

i) Smoking is not permitted in the examination room.

j) All answers must be in English unless otherwise directed. An international student with written approval of the Vice-Principal (Administration), may use standard translation dictionaries; the written approval and the dictionary must be shown to the Examination Supervisor prior to the commencement of the examination.

k) A candidate who commits any infringement of the Rules governing examinations may be expelled immediately from the examination room, and is liable to such further penalty as may be determined in accordance with the Rules for Student Discipline or Examination and Assessment Rules.

Special Examinations

Students who believe that their attendance at or performance in an examination or assignment has been affected by illness or other cause beyond their control are required to make a written statement to the Academic Unit Head who has the authority to take whatever action is deemed appropriate in determining the student’s overall results. Students should refer to the section on Special Consideration on the next page for more details.

Withheld (WM and WE) Results

Students may be granted a withheld result i.e. (WM or WE grade) on the basis of medical, compassionate or other circumstances (see section on Special Consideration).

Where so granted, students should contact the relevant Academic Unit immediately to ascertain assessment requirements. It is the student’s responsibility to make contact with the Unit and failure to do so may result in a fail grade being determined.

Procedure for the use of Foreign Translation Dictionaries in Examinations

1. Foreign Language Translation Dictionaries may be used only by candidates whose background is non-English speaking.

2. Such dictionaries may be used only by a candidate during the first three sessions after initial registration for a course at this University.

3. Such dictionaries may be used in all subjects, except where otherwise directed to the contrary by the relevant Head of Academic Unit.

4. Eligible candidates who wish to use such a dictionary must apply for permission on the application form no later than four weeks prior to the examination period for which approval is sought.

5. Eligible candidates who receive permission will be notified in writing by the University.

6. At the approved examination:

a) the written approval to use the dictionary must be shown to the Examination Supervisor prior to entry into the examination room; and then

the dictionary must be submitted for inspection by the Examination Officer prior to the commencement of the examination to establish its suitability, and to ensure that it is not marked in any way. The dictionary may be further checked at any time during the examination by staff in the examination room.

8.3 Special Consideration & Supplementary Examinations

1. Background

These guidelines set down the current policy in relation to:

- the handling of requests for special consideration; and

- the granting of supplementary examinations.

2. Purpose of the Guidelines

The purpose of the guidelines is to bring a measure of equity and consistency into the handling of special consideration requests across the campus.

3. What is special consideration?

A student who is affected by serious illness or other circumstances beyond his or her control may ask that those circumstances be taken into account when performance in an individual subject is being assessed, so that those circumstances do not adversely affect the student’s result in the subject. Special consideration may mean that:

a) a student’s result is reconsidered without any additional work required; or

b) the student must submit additional written work and/or sit for a supplementary examination.

4. Eligibility

A student who can satisfy the University that he or she has:

a) suffered serious illness or other circumstances beyond his or her control which have or are likely to affect his or her academic performance in a subject; or

b) been prevented from meeting scheduled assessment requirements by serious illness or other circumstances beyond his or her control.

Special consideration may lead to the University requiring the student to submit additional work, or to sit for a supplementary examination, or both.
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5. Method of application
A written application, together with supporting documentation, must be lodged normally no later than 7 days following serious illness or other cause beyond his or her control, with the Student Enquiries Office, which will be responsible for transmitting the request to the appropriate Academic Units.

It is the responsibility of the applicant to check the outcome with the relevant Academic Unit as soon as possible, but not later than two weeks after lodging the application.

6. ‘Supporting documentation’ means:

a) a medical certificate, stating in reasonable detail:
   i) the date or dates of any relevant consultations or attendance;
   ii) if relevant, the general nature of the complaint and the treatment; and
   iii) a specific statement of the opinion that, as a result of the complaint or treatment, the student is or was unfit to complete the required assessment or examination on or by the date specified; (medical certificates which do not contain all this information will not be accepted); or

b) a letter from the University Counselling Service or a professional counsellor of equivalent standing setting out the general nature of the problem affecting the student, and the opinion of the person signing the letter, that the student, because of the problem, is or was unfit to complete the required assessment or examination on or by the date specified; or

c) a statutory declaration setting out the facts upon which it is suggested that special consideration should be given, attaching any supporting documents.

A letter from an employer, etc, is not sufficient.

7. Acceptable reasons
The following are considered acceptable reasons for special consideration:

a) valid medical, compassionate and serious unforeseen personal events that prevent a student from meeting scheduled assessment deadlines; or

b) validated conflicts between scheduled assessments and sporting, cultural or other activities at a national or international level, so long as the conflicts are raised well in advance with the relevant Academic Unit.

8. Reasons associated with employment are acceptable only in exceptional circumstances.

9. Processing of applications
The decision to accept or reject an application for special consideration in each subject is to be made by:

a) the Head of Department concerned or a member of the academic staff of the Department designated by the Head for the purpose; or

b) the Departmental Assessment Committee; or

c) in a Faculty not made up of separate Academic Units, the Associate Dean, on the advice of the examiners for the subject or course co-ordinator, and/or year director, as appropriate.

10. Basis for granting special consideration
The decision whether or not to grant special consideration must be based on whether or not the circumstances amount to serious illness or circumstances beyond the student’s control which have affected or may affect the student’s performance in the subject. Without limiting the matters that may be considered, the person making the decision may consider:

a) the possibility, based on the student’s performance in other aspects of work required for the subject, of the student achieving at least a PC/PT grade in the subject;

b) the record of the student in other subjects in which the student is or has previously been enrolled; and

c) previous applications for special consideration.

11. Supplementary examinations

a) Early examination/assessment will not be permitted by any Academic Unit on the grounds of shortening the period available to the student for holidays/sightseeing.

b) Illness or other grounds beyond the student's control.

Supplementary examinations will normally be granted only:

i) if the student did not sit the standard examination for an acceptable reason; or

ii) if the student, after reporting the illness to the Supervisor-in-Charge, left the examination room because of verified illness. Reasons such as sleeping in, misreading timetables, work commitments, last subject required to complete a course, etc are normally not acceptable.

c) Religious reasons - Where a student is unable to sit for the standard examination for religious reasons, that student will normally be permitted to sit for either:

i) a supplementary examination after the normal examination period; or

ii) the standard examination, for the subject, provided that during the time other students are sitting for that examination and until the time the student sits for the examination, the student:

   • is under the constant supervision of a person approved by the University; and

   • sits for the examination as soon as possible after the scheduled examination time.

12. Decision
The decision whether or not to grant a supplementary examination must be made within seven days of receiving the application and the student advised in writing as soon as possible.

13. Timing of Supplementary Assessment
Supplementary assessment is to be completed at a time convenient to the Academic Unit concerned and it is the responsibility of the applicant to comply with the requirements of the unit; however, the results must be declared within the normal period allowed for the ~WM~ result ie initially within a period of five weeks after the Examination Committee meeting or, in exceptional circumstances, a further five weeks after that period.

14. Responsibility
It is the responsibility of each student who applies for a supplementary examination:

a) to be available to sit for the examination at any time during the vacation period immediately following the application; and

b) to leave a contact address and telephone number with each relevant Academic Unit.

15. Form of Supplementary Assessment
This can take any form that is appropriate in the circumstances. However, the student must be informed in advance concerning the method of assessment to be used, particularly if there is to be any departure from the format announced at the start of the subject, or from that used in the standard examination. This information must be conveyed to the student in writing. Faculties or Academic Units may determine that SUPPLEMENTARY EXAMINATIONS MAY BE
ORAI, but should notify students in advance if this is the case. Students must accept the form of supplementary assessment determined by the Academic Unit.

16. Where a written examination is conducted, Academic Units will ensure that, so far as possible, the security procedures and the venue for the examination, are as similar as possible to those followed in the standard examination periods.

17. Where an oral examination is conducted, a second staff member should be present during the examination.

18. Students should keep originals and copies of all essays, assignments or reports submitted in any subject, as special consideration may involve the reconsideration of that work, and they must be prepared to resubmit such work immediately upon request.

19. Appeal
A student whose request for special consideration has been rejected may appeal in writing to the relevant Dean within 21 days of the giving of the decision by the Academic Unit.

8.4 Grades of Performance for Undergraduate Subjects Listed in the Schedules & Course Structures

1. The approved grades of performance and associated ranges of marks for 100, 200, 300 and 400 level subjects (except for subjects referred to in clause 4.2 below) are:

<table>
<thead>
<tr>
<th>Satisfactory Completion:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>High Distinction</td>
<td>85% - 100%</td>
</tr>
<tr>
<td>Distinction</td>
<td>75% - 84%</td>
</tr>
<tr>
<td>Credit</td>
<td>65% - 74%</td>
</tr>
<tr>
<td>Pass</td>
<td>50% - 64%</td>
</tr>
<tr>
<td>Pass Restricted/Pass Conceded</td>
<td>45% - 49%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unsatisfactory Completion:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fail</td>
<td>0% - 44%</td>
</tr>
</tbody>
</table>

For marks in the range 45-49% either a Pass Restricted or a Pass Conceded grade shall be determined and declared. A Pass Restricted grade may only be awarded for subjects at the 100- and 200- levels.

The performance in some subjects approved for this purpose will be determined as:

<table>
<thead>
<tr>
<th>Satisfactory Completion:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>High Distinction</td>
<td>Satisfactory, or</td>
</tr>
<tr>
<td>Distinction</td>
<td>Unsatisfactory.</td>
</tr>
</tbody>
</table>

Such subjects will not be included in the determination of classes of honours as prescribed in clause 4.3 below.

For subjects in which specified assessment components must be satisfactorily completed for the subject to be satisfactorily completed, failure to satisfactorily complete one or more such components will result in failure of the subject, and the mark determined will be the aggregate of marks gained for the components, or 44, whichever is least.

2. The approved ranges of marks associated with classes of honours for 400 level 48 credit point subjects comprising the honours courses listed in Rule 103(5) are:

<table>
<thead>
<tr>
<th>Honours Class I</th>
<th>85% - 100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours Class II, Division 1</td>
<td>75% - 84%</td>
</tr>
<tr>
<td>Honours Class II, Division 2</td>
<td>65% - 74%</td>
</tr>
<tr>
<td>Honours Class III</td>
<td>50% - 64%</td>
</tr>
<tr>
<td>Fail</td>
<td>0% - 49%</td>
</tr>
</tbody>
</table>

3. a) The classes of honours for 4 year prescribed courses will be determined by a weighted average mark determined as:

\[
\text{weighted average mark} = \frac{\sum m \cdot c}{\sum c}
\]

where

- \( m \) is the actual mark obtained in each attempt at each subject;
- \( c \) is the credit point value of the subject;
- \( n \) is the total number of subject attempts; and
- \( l \) is the weight reflecting the level of the subject.

b) The approved ranges of weighted average marks associated with classes of honours for 4 year prescribed courses are as follows.

i) For the honours degrees of Bachelor of Engineering, in each of
   Civil Engineering,
   Environmental Engineering,
   Materials Engineering,
   Mechanical Engineering, and
   Mining Engineering,
   the weights are
   4 for 400 level;
   3 for 300 level;
   2 for 200 level;
   1 for 100 level;
   and the ranges are
   Honours Class I 77.5 - 100%
   Honours Class II Division 1 72.5 - 77.5%
   Honours Class II Division 2 67.5 - 72.5%
   Honours Class III 62.5 - 67.5%.

ii) For the honours degrees of Bachelor of Education, in Physical and Health Education, and Bachelor of Engineering, in each of Computer Engineering, Electrical Engineering, and Telecommunications Engineering & Bachelor of Mathematical Sciences, Bachelor of Mathematics and Economics, Bachelor of Mathematics and Finance
   the weights are
   4 for 400 level;
   3 for 300 level;
   2 for 200 level;
   1 for 100 level;
   and the ranges are
   Honours Class I 77.5 - 100%
   Honours Class II Division 1 72.5 - 77.5%
   Honours Class II Division 2 67.5 - 72.5%.

iii) For the honours degrees of Bachelor of Information and Communication Technology,
   the weights are
   4 for 400 level;
   3 for 300 level;
   2 for 200 level;
   0 for 100 level;
and the ranges are:
- Honours Class I: 77.5 - 100%
- Honours Class II Division 1: 72.5 - 77.5%
- Honours Class II Division 2: 67.5 - 72.5%

iv) For the honours degrees of Bachelor of Environmental Science, & Bachelor of Medicinal Chemistry,
the weights are:
- 4 for 400 level;
- 3 for 300 level;
- 0 for 200 level;
- 0 for 100 level;
except for 300 level STS, Law and Management subjects in the Bachelor of Environmental Science, for which the weighting will be 0, and the ranges are:
- Honours Class I: 80 - 100%
- Honours Class II, Division 1: 73 - 79%
- Honours Class II, Division 2: 65 - 72%.

v) For the honours degrees of Bachelor of Biotechnology,
the weights are:
- 4 for 400 level;
- 1 for 300 level;
- 0 for 200 level;
- 0 for 100 level;
and the ranges are:
- Honours Class I: 80 - 100%
- Honours Class II, Division 1: 73 - 79%
- Honours Class II, Division 2: 65 - 72%.

vi) For the honours degree of Bachelor of Education, in Primary Education,
the weights are:
- 4 for 400 level;
- 0 for 300 level;
- 0 for 200 level;
- 0 for 100 level;
and the ranges are:
- Honours Class I: 85-100%
- Honours Class II, Division 1: 75-84%
- Honours Class II, Division 2: 65-74%
- Honours Class III: 50-64%.

vii) For the honours degree of Bachelor of Laws,
the weights are:
- 1 for every level;
and the ranges, together with the relevant marks for the project subject LLB313 or LLB314 are:
- Honours Class I: 85-100%
- Honours Class II, Division 1: 75-84%
- Honours Class II, Division 2: 65-74%
- Honours Class III: 50-64%.

For a weighted average mark within 0.5 below a break mark, the class of honours may be determined on the basis of improvement or otherwise throughout the course, performance in professional option subjects, and in project or thesis subjects, and such other relevant information as is available.

Every attempt at a subject in the course is to be included in the determination in (b) except for subjects which are graded as satisfactory (S) or unsatisfactory (U).

8.5 Grades of Performance for Postgraduate Subjects Listed in the Schedules & Course Structures

1. The approved grades of performance and associated ranges of marks for 800 and 900 level subjects, not being research subjects, are:

   Satisfactory Completion:
   - High Distinction: 85% - 100%
   - Distinction: 75% - 84%
   - Credit: 65% - 74%
   - Pass: 50% - 64%

   Unsatisfactory Completion:
   - Fail: 0% - 49%

   The performance in some subjects approved for this purpose will be determined as:

   Satisfactory Completion: Satisfactory, or
   Unsatisfactory Completion: Unsatisfactory.

   For subjects in which specified assessment components must be satisfactorily completed for the subject to be satisfactorily completed, failure to satisfactorily complete one or more such components will result in failure of the subject and the mark determined will be the aggregate of marks gained for the components, or 49, whichever is least.

2. For 900 level research subjects, performance will be determined as satisfactory or unsatisfactory for each candidate at the completion of the nominated duration of each subject, and after the completion of assessment as set out in the Thesis & Research Degree Rules.

8.6 Restricted Pass

The award of the grade of Restricted Pass in 100 and 200 level subjects will prohibit a student progressing to the next subject in a sequence for which the subject in which the Restricted Pass is awarded is a prerequisite. However, students are not prevented from repeating a subject for which a Restricted Pass has been awarded.
8.7 Amendments to Academic Records/Reassessment of Grades

There are three ways in which you may apply to have your academic record amended.

Enrolment Error
If, as a result of an enrolment error, you have either:

a) received a 'FAIL' grade for a subject for which you were formally enrolled, but did not attempt; or

b) not received a result for a subject which you attempted, but for which you were not formally enrolled;

you may make application to have the necessary amendment made to your academic record. Applications must also be accompanied by a letter giving relevant details.

An academic record will be amended in special circumstances only. The application will be assessed and if it is determined that the error was the fault of the student, the $80.00 charge will be paid prior to your academic record being altered.

You should note that where an application to amend your academic record by adding a subject for which you are not enrolled is successful, you are required to discharge the increased Higher Education Contribution Scheme (HECS) charge on the same basis that the original HECS liability was to be discharged, ie, either up-front or deferred payment.

Applications must be made to the Student Enquiries Office no later than two weeks after the release of examination results.

Late Withdrawal - If, you withdraw from:

a) an Autumn session subject or a Spring session subject after the end of the eighth week but before the end of the twelfth week of the session of offer, or

b) a Summer session subject after the end of the third week but before the end of the fifth week of the Summer session; or

c) a double or triple session subject after the end of the second week but before the end of the eighth week of the second session in which the subject is offered;

You will be awarded a grade of 'FAIL'. However, if there are medical, compassionate or other acceptable reasons for the late withdrawal, the Course Rules allow for you to apply to have the 'FAIL' amended to 'DISCONTINUED'.

Applications for such amendments may be made at the Student Enquiries Office and need to be supported by appropriate documentary evidence.

It is not possible to withdraw from subjects after the end of the twelfth week of session for sessional subjects, the end of the fifth week of the Summer session for Summer session subjects, or the end of the eighth week of the second session of offer for double or triple session subjects.

Reassessment of Mark/Grade

If you feel that the mark or grade you have been awarded for a subject is not indicative of your performance or that there may have been an error in determining your mark or grade, you should approach the lecturer (s) concerned to discuss the matter.

If, after this discussion, you feel the mark or grade is not correct, you should approach the Head of the Unit responsible for the subject to discuss the matter further.

After you have taken these steps and you still feel the mark or grade is not correct, you may write to the Dean of the Faculty, setting out the reasons you believe the mark or grade is not correct and advising the Dean of the member (s) of staff with whom you have discussed the matter. The Dean will respond in writing after he/she has taken whatever advice is required.

Applications to the Dean should be made no later than two weeks after the release of the examination results.

If you are not satisfied with the outcome, you may then approach the Dean of Students and request a further investigation of the matter.

Finally, if you believe there has been a lack of due process in the reassessment procedure outlined above, you may appeal, within two weeks of receiving the response from the Dean, to the Academic Review Committee to review the matter. The letter of appeal must state fully the reasons for your appeal and include any relevant documentary evidence to support your appeal. Please note, however, that the Committee's role is to ensure that due process has been followed - the Committee's role is not to reassess the academic quality of the work.

8.8 Minimum Rate of Progress

1. A candidate may enrol in a program in accordance with the provisions of the Enrolment Rules provided that the rate of progress is at least the minimum specified by the relevant clauses below.

2. The required minimum rate of progress by a candidate in a bachelor degree is:

a) in the first year of registration, satisfactory completion of subjects having a credit point value of at least one half the credit point value of the subjects offered to completion in the program for the year; and

b) in each subsequent year of registration, satisfactory completion of subjects having a credit point value of at least two-thirds the credit point value of the subjects offered to completion in the program for the year.

3. The required minimum rate of progress by a candidate in one of the postgraduate courses listed in Parts 2, 3 and 4 of these Rules is satisfactory completion of subjects having a credit point value of at least one half the credit points attached to the subjects offered to completion in the program for the year.

4. a) The required minimum rate of progress by a candidate in one of the postgraduate courses listed in Part 5 of these Rules is satisfactory completion of subjects, excluding research subjects, having a credit point value of at least one half the credit points attached to the subjects offered to completion in the program for the year.

b) The required minimum rate of progress by a candidate in any course listed in Part 6 of these Rules which includes a coursework component, is satisfactory completion of all subjects, excluding research subjects, offered to completion in the program for the year.

5. a) An undergraduate whose rate of progress is less than the minimum specified in the relevant clause, (3) or (4) above, will, in the first instance, be placed on probation. A student on probation will normally be placed on a restricted program for one year and will be required to consult with the faculty Sub-Dean or nominee prior to enrolment. If the same student fails to meet the required minimum rate of progress in the probationary year, and unless they can show cause for this failure, that student will be excluded from the university for a period of one year.

b) An undergraduate student who, because of exceptional circumstances, can show cause for failing to meet the minimum rate of progress as specified in Rule 011(2), (3) or (4), may be permitted to register for a course. However, if that student again fails to meet the required minimum rate of progress in the following year, that student will be excluded from the university for a period of two years.

c) A student who is excluded from registration in a course may appeal that decision.
General Information

9. OWNERSHIP OF WORK & INTELLECTUAL PROPERTY

1. The University reserves the right to retain, at its discretion, the original or one copy of any work submitted for assessment in a course, competition or a subject, other than a research subject, conducted by the University.

2. The University retains the right to intellectual property resulting from work undertaken by a candidate excepting that the candidate may negotiate with the University for ownership of some or all of the intellectual property.

3. A candidate retains copyright over a thesis submitted for assessment in a subject or for an award, subject to the requirements prescribed in Rules 10(3) - Procedures Governing the Preparation & Submission of Theses.

10. THESIS & RESEARCH DEGREE RULES

10.1 Supervision for Thesis & Minor Thesis (Formerly referred to as Attachment C1)

1. A candidate for an honours master degree by thesis, or by coursework and either thesis or minor thesis, or for a doctoral degree, shall carry out the thesis or minor thesis work required for the research subject under the direction of a supervisor or supervisors, of whom at least one shall be a full time member of the academic staff, appointed under approved conditions.

2. Should the supervisor be absent from the University for a period exceeding six weeks, that supervisor shall recommend an alternative supervisor to be appointed under approved conditions for the period of absence.

3. Work in a research subject, other than field work, shall be carried out in an academic unit of this University save that in special cases a candidate may be permitted to conduct work at other places where suitable facilities are available, such permission will be granted on the condition that direction of the work remains entirely under the control of the supervisor appointed pursuant to clause 1.1 above.

4. After consultation with the Head and on written application from a candidate, a change of supervisor may be approved.

5. Before approving the registration of an applicant as a candidate, Council shall be satisfied that adequate supervision and facilities for the proposed work are available.

10.2 Requirements for Research Subjects (formerly referred to as Attachment C2)

1. A candidate shall, not later than one session after registration, submit the title of the thesis or minor thesis through the Head for approval; upon approval, the title may not be changed except with further approval.

2. A candidate enrolled for a research subject shall submit annually to Council, through the Head, a report on progress of work for the thesis or minor thesis.

3. A candidate shall submit to the Head two months written notice of intention to submit the thesis or minor thesis.

4. On completion of a research subject, a candidate shall submit a thesis or minor thesis embodying the results of the work undertaken in the subject.

5. The thesis or minor thesis shall be presented in a form which complies with the requirements set out in Rule 10 (3) below and shall include a certificate indicating the extent to which the work has been performed by the candidate.

6. The candidate may submit for consideration any relevant work that has been published.

7. A candidate may not submit as the major part of a thesis any work or material which has previously been submitted for a degree of the University or other similar award of another tertiary institution, except for the case of a thesis submitted for the degree of Doctor of Philosophy of this University and recommended by the examiners that it be submitted for the honours masters degree.

8. A candidate submitting a thesis for a doctoral degree must comply with the following additional requirements:

a) the majority of the work submitted shall have been completed subsequent to registration for the degree;

b) the work shall comprise an original and significant contribution to knowledge of the subject;

c) the thesis must present an account by the candidate of the study; and

d) in special cases, study carried out jointly with other persons may be accepted, provided Council is satisfied that the contribution by the candidate to the joint study is adequate.

10.3 Procedures Governing the Preparation & Submission of Theses (formerly referred to as Attachment C3)

1. The thesis and other relevant work may be submitted for examination to the Director, Office of Research provided the candidate has completed the required minimum period of registration for the degree and is registered enrolled for the degree for which they are submitting the copies of their thesis.

2. A candidate required to submit a thesis for an honours masters degree or a doctoral degree shall submit to the Director, Office of Research:

a) a statement from their supervisor stipulating that the thesis is in a form suitable for submission for examination;

b) a statement indicating the extent to which the work is their own work;

c) in the first instance, three spiral bound copies of the thesis and supporting work for submission to examiners; and

d) following examination of the thesis, in accordance with the recommendations in Rule 10.4 (6) a), b), d) or e) the candidate shall make necessary corrections, if any, and present to the Director, Office of Research two final copies of the thesis, bound in accordance with Rule 10.3 (5).

3. The degree will not be conferred until the two final bound copies are lodged with the Director, Office of Research accompanied by a letter from the Head certifying that, if required, corrections have been satisfactorily completed.

4. All copies of the thesis shall include a summary of approximately 200 words and a declaration signed by the candidate stipulating that the work has not been submitted for a degree to any other university or institution.

5. Theses are to be prepared in accordance with the following specifications, save that variation may be approved after consultation with the supervisor:

a) the text of the thesis, normally in English, shall be in double-spaced or one and a half spaced typescript;

b) the size of the paper shall approximate International Standards Organisation paper size A4 (297mm x 210mm) except for illustrative material such as drawings, photographs, printouts and sleeves for audio records, on which no restriction is placed; the paper used in all copies shall be white opaque paper of good quality;

6. The candidate may submit for consideration any relevant work that has been published.

7. A candidate may not submit as the major part of a thesis any work or material which has previously been submitted for a degree of the University or other similar award of another tertiary institution, except for the case of a thesis submitted for the degree of Doctor of Philosophy of this University and recommended by the examiners that it be submitted for the honours masters degree.

8. A candidate submitting a thesis for a doctoral degree must comply with the following additional requirements:

a) the majority of the work submitted shall have been completed subsequent to registration for the degree;

b) the work shall comprise an original and significant contribution to knowledge of the subject;

c) the thesis must present an account by the candidate of the study; and

d) in special cases, study carried out jointly with other persons may be accepted, provided Council is satisfied that the contribution by the candidate to the joint study is adequate.

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b) a statement indicating the extent to which the work is their own work;

c) in the first instance, three spiral bound copies of the thesis and supporting work for submission to examiners; and

d) following examination of the thesis, in accordance with the recommendations in Rule 10.4 (6) a), b), d) or e) the candidate shall make necessary corrections, if any, and present to the Director, Office of Research two final copies of the thesis, bound in accordance with Rule 10.3 (5).

3. The degree will not be conferred until the two final bound copies are lodged with the Director, Office of Research accompanied by a letter from the Head certifying that, if required, corrections have been satisfactorily completed.

4. All copies of the thesis shall include a summary of approximately 200 words and a declaration signed by the candidate stipulating that the work has not been submitted for a degree to any other university or institution.

5. Theses are to be prepared in accordance with the following specifications, save that variation may be approved after consultation with the supervisor:

a) the text of the thesis, normally in English, shall be in double-spaced or one and a half spaced typescript;

b) the size of the paper shall approximate International Standards Organisation paper size A4 (297mm x 210mm) except for illustrative material such as drawings, photographs, printouts and sleeves for audio records, on which no restriction is placed; the paper used in all copies shall be white opaque paper of good quality;
11. For information about the University policy on intellectual property, a candidate submitting a thesis should consult the "Intellectual Property Policy", available from the University's WWW home page.

10. The abstract submitted with a doctoral thesis shall be listed on the University’s WWW home page.

9. To stipulate the wishes of a candidate for a higher degree shall be retained in the Library for record purposes.

8. A thesis submitted for a higher degree shall be retained in the Library for record purposes.

7. The two final bound copies of the thesis shall be presented in the following manner:
   a) the thesis shall be bound in boards, covered with buckram;
   b) the lettering on the spine binding will be 10mm in height and will be:
      i) 15mm from the bottom and across - UW;
      ii) 70 from the bottom and across - the degree;
   c) the margins on each sheet shall be not less than 40mm on the bound side, 20mm on the unbound side, 30mm at the top and 20mm at the bottom;
   d) in the binding of a thesis which includes mounted photographs, graphs, or similar method, or contains a back pocket, packing shall be inserted at the spine to ensure even thickness of the volume;
   e) a completed and signed "Thesis Declaration", as prescribed in Rule 10.3 (9), shall be affixed to the inside of the front cover of each copy of the thesis submitted;
   f) the thesis shall be presented in a permanent and legible form as original typescript, offset printing, or copy by other approved technique; and
   g) there shall be a title sheet set out in accordance with the approved style sheet.

6. The copies of the thesis provided for examination:
   a) can be either spiral bound or bound in boards, covered with buckram; and
   b) may be printed single or double sided on the paper.

5. An examiner of a thesis for an honours masters degree shall be asked to report on:
   a) whether the thesis demonstrates that the candidate has an adequate understanding of the field of research;
   b) whether the thesis demonstrates that the candidate has designed, undertaken and reported on an investigation in the specified field of research to a satisfactory level;
   c) whether the candidate has presented the thesis in a manner and level appropriate to the field of research; and
   d) whether the literary standard of the thesis is adequate.

4. An examiner of a thesis for a doctoral degree by thesis shall be asked to report on:
   a) whether the thesis demonstrates that the candidate has an adequate understanding of the field of research;
   b) whether the thesis demonstrates that the candidate has designed, undertaken and reported on an investigation in the specified field of research to a satisfactory level;
   c) whether the candidate has presented the thesis in a manner and level appropriate to the field of research; and
   d) whether the literary standard of the thesis is adequate.

3. A supervisor of a candidate who has submitted a thesis shall provide a certificate indicating:
   a) whether the supervisor is in agreement with the statement submitted by the candidate in accordance with Rule 10.2 (5); and
   b) whether, in the opinion of the supervisor, the thesis is presented in a form that complies with the requirements of Rule 10.3 and is prima facie worthy of examination.

2. A supervisor of a candidate may not be an examiner of a thesis submitted by that candidate.

1. Council shall appoint at least:
   a) three examiners of the thesis, of whom at least one shall be normally a member of the relevant academic unit and at least two shall be external to the University for a candidate for a higher doctoral degree;
   b) two examiners of the thesis, each of whom shall be external to the University for a candidate for a doctoral degree; and
   c) two examiners of the thesis, not more than one of whom shall be internal to the University for a candidate for an honours masters degree.

General Information

10.4 Examination of Theses (formerly referred to as Attachment C4)

1. Council shall appoint at least:
   a) three examiners of the thesis, of whom at least one shall be normally a member of the relevant academic unit and at least two shall be external to the University for a candidate for a higher doctoral degree;
   b) two examiners of the thesis, each of whom shall be external to the University for a candidate for a doctoral degree; and
   c) two examiners of the thesis, not more than one of whom shall be internal to the University for a candidate for an honours masters degree.

2. A supervisor of a candidate may not be an examiner of a thesis submitted by that candidate.

3. A supervisor of a candidate who has submitted a thesis shall provide a certificate indicating:
   a) whether the supervisor is in agreement with the statement submitted by the candidate in accordance with Rule 10.2 (5); and
   b) whether, in the opinion of the supervisor, the thesis is presented in a form that complies with the requirements of Rule 10.3 and is prima facie worthy of examination.

4. An examiner of a thesis for an honours masters degree shall be asked to report on:
   a) whether the thesis demonstrates that the candidate has an adequate understanding of the field of research;
   b) whether the thesis demonstrates that the candidate has designed, undertaken and reported on an investigation in the specified field of research to a satisfactory level;
   c) whether the candidate has presented the thesis in a manner and level appropriate to the field of research; and
   d) whether the literary standard of the thesis is adequate.

5. An examiner of a thesis for a doctoral degree by thesis shall be asked to report on:
   a) whether the thesis provides evidence that the candidate conducted original research;
   b) whether the thesis demonstrates that the candidate has made a significant contribution to the knowledge of the subject concerned;
   c) whether the thesis reveals that the candidate has a broad understanding of the discipline within which the work was conducted;
   d) whether the thesis contains material suitable for publication;
   e) whether the candidate has presented the thesis in a manner and level appropriate to the field of research; and
   f) whether the literary standard of the thesis is adequate.

6. After examining a thesis, an examiner may recommend that:
   a) the candidate be awarded the degree without further examination; or
   b) the candidate be awarded the degree subject to revisions or corrections to the thesis; or
   c) the candidate be required to resubmit the thesis in revised form for examination after a specified period of study and/or research; or
   d) the candidate be required to attend an oral examination; or
General Information

e) in the case of a candidate for a doctoral degree, the candidate be permitted to submit the thesis for an honours masters degree; or

f) the candidate be not awarded the degree.

10.5 Procedures for Examination of Work Submitted for Doctor of Philosophy by Publication & Higher Doctoral Degrees (formerly referred to as Attachment C5)

1. Each examiner shall make an independent report on the submitted work or works.

2. Prior to the oral examination of an applicant for a doctoral degree by publication or an applicant for a higher doctoral degree, should such examination be deemed necessary, each examiner shall present questions for the examination.

3. Should the examiners be not satisfied with the performance of the candidate in an oral examination, Council may permit the candidate to present for that examination on a second occasion at a time to be determined by the examiners.

4. Should the examiners not agree in their recommendations or should, for any other reason, further opinion on the merit of the submitted work be needed, Council may appoint an additional examiner or examiners who shall make an independent report on the submitted work and who may, at the discretion of such examiner or examiners, conduct an oral or written examination on that work and on the general relevant field of knowledge.

5. At the conclusion of the examination, the examiners will submit to Council a concise report on the merits of the published work and on the examination results and Council shall determine whether or not the applicant may be admitted to the degree.

6. Should the application for admission to the degree fail, the person may make one only additional application after a period of not less than three years from the date of the original application.

7. An applicant for admission to the degree shall not be present at the relevant deliberations of Council.

11. REFUSAL OF REGISTRATION (FORMERLY REFERRED TO AS ATTACHMENT B2)

1. A candidate may be refused registration by reason of:
   a) suspension from this University for a defined period; or
   b) exclusion from this University for a defined period; or
   c) expulsion from this University.

2. A person who is:
   a) suspended may be re-admitted to this University at the conclusion of the defined period of suspension;
   b) excluded must apply for admission to this University at the conclusion of the period of exclusion should re-admission be sought; and
   c) expelled shall not be re-admitted except by permission of Council.

3. The period of suspension will comprise one or more sessions and the remainder of the session in which the suspension is applied.

4. The period of exclusion will comprise one or more years and the remainder of the year in which the exclusion is applied.

5. Any record of performance issued by this University in respect of a person refused registration as prescribed in Rule 11.1, shall include detail of such suspension, exclusion or expulsion.

12. OTHER

1. General Saving Clause
Notwithstanding anything to the contrary herein contained, Council may dispense with or suspend any requirement of, or prescription by, these Rules.

2. Application for Amending Rules
Should an amendment be made to either or both these Rules or the Attachments following these Rules, the amendment shall apply from the date of implementation, but not retrospectively, to all candidates, unless determined otherwise by Council.

3. Appeal
1. A candidate may appeal against any decision made under these Rules.
2. An appeal should be made in writing to the Vice-Principal (Administration) within 14 days of notification of the decision referred to in Rule 0181).
3. An appeal shall conform with approved guidelines.
C. AWARD RULES

PART 1. BACHELOR DEGREE RULES

101 Preliminary
Section 1 of these Rules applies to a candidate registered for a bachelor degree, and is to be read in conjunction with relevant provisions of the General Rules.

102 Bachelor Degrees & the Abbreviations
The following Rules apply to undergraduate courses, including approved prescribed double degree courses, leading to:

a) the pass bachelor degrees:
Bachelor of Arts ................................................. BA
Bachelor of Biotechnology .............................. BBiotech
Bachelor of Business Administration ................. BBA
Bachelor of Commerce ...................................... BCom
Bachelor of Computer Science ......................... BCompSc
Bachelor of Creative Arts ................................. BCA
Bachelor of Education ...................................... BEd
Bachelor of Engineering .................................... BE
Bachelor of Environmental Science ..................... BEnvSc
Bachelor of Exercise Science & Rehabilitation ....... BExR
Bachelor of Health Science in Indigenous Health Studies .................................................. BHlthScIndHlthStud
Bachelor of Information & Communication Technology ..................................................... BInfoTech
Bachelor of Internet Science & Technology .......... BIS
Bachelor of Laws ................................................. LLB
Bachelor of Letters .......................................... LitB
Bachelor of Mathematics ................................. BMath
Bachelor of Mathematical Sciences .................... BMathSc
Bachelor of Mathematics & Economics ............... BMathEcon
Bachelor of Medical Science ............................. BMedPhys
Bachelor of Medical Radiation Physics ............... BMedRadPhys
Bachelor of Medicinal Chemistry ...................... BMedChem
Bachelor of Nursing .......................................... BNSng
Bachelor of Nutrition & Dietetics ...................... BNutDiet
Bachelor of Psychology ...................................... BPsc
Bachelor of Science .......................................... BSc
Bachelor of Teaching ......................................... BTeach

b) the honours bachelor degrees:
Bachelor of Arts ................................................. BA (Hons)
Bachelor of Biotechnology .............................. BBiotech (Hons)
Bachelor of Biotechnology (Adv) ....................... BBiotech (Hons)/Adv
Bachelor of Business Administration ................. BBA (Hons)
Bachelor of Commerce ...................................... BCom (Hons)
Bachelor of Computer Science ......................... BCompSc (Hons)
Bachelor of Creative Arts .................................... BCA (Hons)
Bachelor of Education ...................................... BEd (Hons)
Bachelor of Engineering .................................... BE (Hons)
Bachelor of Environmental Science ..................... BEnvSc (Hons)
Bachelor of Environmental Science (Adv) .......... BEnvSc (Hons)/Adv
Bachelor of Exercise Science & Rehabilitation ....... BExR (Hons)
Bachelor of Information & Communication Technology ..................................................... BInfoTech (Hons)

Bachelor of Laws ................................................. LLB (Hons)
Bachelor of Letters .......................................... LitB (Hons)
Bachelor of Mathematics ................................. BMath (Hons)
Bachelor of Mathematical Sciences .................... BMathSc (Hons)
Bachelor of Mathematics and Economics ............... BMathEcon (Hons)
Bachelor of Mathematics and Finance ................ BMathFin (Hons)
Bachelor of Medical Science ............................. BMedSci
Bachelor of Medical Radiation Physics ............... BMedRadPhys (Hons)
Bachelor of Medicinal Chemistry ...................... BMedChem (Hons)
Bachelor of Medical Radiation Physics ............... BMedRadPhys
Bachelor of Medicinal Chemistry (Adv) .......... BMedChem (Hons)/Adv
Bachelor of Nursing .......................................... BNSng (Hons)
Bachelor of Psychology ...................................... BPsc (Hons)
Bachelor of Science .......................................... BSc (Hons)
Bachelor of Science (Adv) ..................................... BSc (Hons)/Adv

103 Admission & Registration Requirements

1. An applicant shall comply with relevant provisions of the Admission Rules and 103 (2) to (8) below.

2. To qualify for admission to the conversion course leading to the degree of Bachelor of Education a person shall have:
   a) qualified for the appropriate Diploma in Teaching or Bachelor of Teaching of this University or an approved equivalent qualification; and
   b) satisfactorily completed other approved requirements.

3. To qualify for admission to the course leading to the degree of Bachelor of Laws a person shall have:
   a) qualified for the award of a bachelor degree; or
   b) complied with any other approved requirements as set out by the Bachelor of Laws course structure.

4. To qualify for admission to the conversion course leading to the degree of Bachelor of Nursing a person shall have:
   a) either:
      i) qualified for either the Diploma of Applied Science (Nursing) or the Diploma of Nursing of this University or an approved equivalent qualification; or
      ii) registered or be eligible for registration as a nurse in Australia, and have acceptable qualifications; and
   b) satisfactorily completed other approved requirements.

5. To qualify for admission to a course leading to an honours degree of Bachelor of Arts, Bachelor of Commerce, Bachelor of Computer Science, Bachelor of Creative Arts, Bachelor of Mathematics, Bachelor of Nursing or Bachelor of Science a person shall have:
   a) either:
      i) qualified at this University for the award of a relevant pass bachelor degree, either with merit or in which the 300 level subjects in a relevant major study were completed at an average of Credit grade or better; or
      ii) qualified at another tertiary institution for the award of a pass bachelor degree containing a coherent study equivalent to a relevant major study and in which the 300 level subjects, or the equivalent, were completed at the equivalent of an average of Credit grade or better; and
   b) satisfactorily completed other approved requirements.

6. A person who does not satisfy the requirements of Rule 103(5) may be considered under Rule 106 for admission to a course for one of the honours bachelor degrees to which Rule 103(5) applies, providing:
a) that person has a supporting recommendation from the Head; and

b) the recommendation is approved.

7 A person who has qualified for one or more honours bachelor degrees and who is qualified for admission to a further course for honours may be permitted to register for that course provided that it differs significantly from satisfactorily completed courses for honours.

8 A candidate who, at the end of the prescribed period of registration for a course for honours referred to in Rule 103(5), fails to qualify for the award of any class of honours referred to in Rule 113(11) may not register again as a candidate for an honours bachelor degree in the same academic discipline.

104 Enrolment Requirements
1. A candidate shall comply with the relevant provisions of the General Enrolment Requirements, in addition to which a candidate registered for an honours bachelor degree may enrol in:
   a) subjects offered or approved by one academic unit; or
   b) an approved combination of subjects offered by more than one academic unit.

105 Course Requirements for Bachelor of Arts
1. To qualify for award of the degree of Bachelor of Arts a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects listed in one or more of the Arts Schedule, the General Schedule or the Health and Behavioural Sciences Schedule.

2. Of the 144 credit points:
   a) at least 72 credit points, including a major study, shall be for subjects listed in the Arts Schedule or in the Health and Behavioural Sciences Schedule;
   b) not more than 60 credit points shall be for 100 level subjects; and
   c) at least 36 credit points must be for subjects offered by member units of the Faculty of Arts, except:
      i) for a candidate enrolled in a degree offered by the Faculty of Health and Behavioural Sciences, and prescribed in the relevant course structure, or
      ii) as prescribed for approved double degree programs.

3. A candidate for this course who has registered for two major studies, for which there are common subjects, may count no more than one subject in common towards these major studies, and may count the credit points for that subject, which may be at any level, once only in the credit point total required for the course.

106(a) Course Requirements for Bachelor of Commerce
1. To qualify for award of the degree of Bachelor of Commerce a candidate shall accrue an aggregate of at least 144 credit points, including a major study, by satisfactory completion of subjects listed in the General Schedule.

2. The 144 credit points shall include the subjects prescribed for one of the specialisations or combined specialisations offered by the Faculty of Commerce.

3. Of the 144 credit points, not more than 72 credit points shall be for 100 level subjects.

106(b) Course Requirements for Bachelor of Commerce with Merit (formerly Attachment H)
Preamble:
Please note that the rules relating to the award of the Bachelor of Commerce with Merit are under review and are likely to change before the commencement of the 2001 academic year. Students enrolling in a Bachelor of Commerce are advised to consult the OnLine Calendar prior to their enrolment for the latest version of these rules.

1. To be eligible for the award of a Bachelor of Commerce degree with Merit a candidate must:
   a) have no F, PC or PT grades; except that this rule may be waived by the Faculty of Commerce Examination Committee in exceptional circumstances on the recommendation of the Head of the relevant Academic Unit in which the candidate would otherwise qualify for the award of a degree with merit;
   b) have passed at credit level or better at least 75% of the credit points attached to the 200 and 300 level subjects in the relevant specialisation; and
   c) have passed at credit level or better at least 50% of the credit points attached to the 300 level subjects prescribed in the relevant specialisation.

2. The following additional criteria must be satisfied for each of the relevant specialisations as follows. A candidate for:
   a) an Accountancy specialisation
      must have passed at credit level or better at least one of the following subjects:
      ACCY302 Financial Accounting III; or
      ACCY312 Management Accounting III,
   b) a Business Systems Analysis specialisation
      must have passed at credit level or better at least 12 credit points of 300 level Business Systems Analysis subjects,
   c) an Economics specialisation
      must have passed at credit level or better at least 50 per cent of the credit points attached to 300 level Economics subjects,
   d) a Finance specialisation
      must have passed at credit level or better the following subjects:
      ACCY322 Business Finance II, and
      ACCY323 Investments II,
   e) an Industrial Relations specialisation
      must have passed at credit level or better at least one of the following subjects:
      ECON340 Comparative Studies in Industrial Relations;
      ECON308 Labour Economics;
      ECON348 Employers and Industrial Relations; or
      LAW332 Labour Relations Law,
   f) a Legal Studies specialisation
      must have passed at credit level or better at least 2 of the following subjects:
      LAW210 Contract Law;
      LAW302 Law of Business Organisations;
      LAW330 Law of Employment; or
      LAW332 Labour Relations Law,
   g) a Management specialisation
      must have passed at credit level or better at least one of the following subjects:
      MGMT314 Business Policy; or
      MGMT398 Human Resource Management,
   h) a Marketing specialisation
      must have passed at credit level or better at least one of the following Marketing subjects:
      MARK344 Marketing Planning and Strategy; or
MARK319 Marketing Research,

i) an Employment Relations specialisation
must have passed at credit level or better at least two of the
following subjects:
  MGMT398 Human Resource Management;
  MGMT322 Human Resource Development;
  COMM341 International & Competitive Employment
  Relations;
  ECON348 Employers & Industrial Relations;
  ECON352 Industrial Relations Processes,

j) a Combined specialisation
must satisfy the criteria for award of the degree with Merit for
one of the specialisations contained in that combined
specialisation by satisfying the criteria of the relevant clause
2a) to i).

108 Course Requirements for Bachelor of Computer
Science

1. To qualify for the award of the degree of Bachelor of Computer
Science a candidate shall:
   a) accrue an aggregate of at least 144 credit points, including a
      major study in Computer Science, by the satisfactory
      completion of subjects listed in either or both the Computer
      Science course structure and the General Schedule; and
   b) satisfy the requirements prescribed in the Computer Science
      course structure.

2. Of the 144 credit points, not more than 60 credit points shall be
   for 100 level subjects.

109 Course Requirements for Bachelor of Mathematics

1. To qualify for the award of the degree of Bachelor of Mathematics
   a candidate shall:
   a) accrue an aggregate of at least 144 credit points, including a
      major study in either Mathematics or Applied Statistics, by the
      satisfactory completion of subjects listed in either or both the
      Bachelor of Mathematics course structure and the General
      Schedule; and
   b) satisfy the requirements prescribed in the Mathematics course
      structure.

2. Of the 144 credit points, not more than 60 credit points shall be
   for 100 level subjects.

110 Course Requirements for Bachelor of Science

1. To qualify for award of the degree of Bachelor of Science, a
   candidate shall accrue an aggregate of at least 144 credit points by
   satisfactory completion of subjects listed in one or more of the
   General Schedule, the Health and Behavioural Sciences Schedule,
   the Science Schedule and the Engineering Schedule.

2. The 144 credit points shall include a major study and satisfy the
   requirements prescribed in either:
   a) the Health and Behavioural Sciences Schedule; or
   b) the Science Schedule; or
   c) the Engineering Schedule.

3. Of the 144 credit points, not more than 60 credit points shall be
   for 100 level subjects.

4. A major study in the Bachelor of Science, through the Faculty of
   Science (course code 742), may be taken in Physics, Psychology,
   Mathematics/Applied Statistics or Computer Science provided
   that:
   a) students take at least 12 credit points of 100 level and 32
      credit points from 200 level and/or 300 level subjects from
      the Departments of Biological Sciences or Chemistry or the
      School of Geosciences;
   b) the intake for the Computer Science major is based on the
      same UAI (or equivalent) as that required for the Bachelor of
      Computer Science; and
   c) students outside the Faculty of Informatics only be permitted
      to enroll for CSC111 Computer Science 1A in Spring session;

111 Course Requirements for Prescribed Courses for
Bachelor Degrees

To qualify for the award of the degree of:

Bachelor of Arts
Bachelor of Biotechnology
Bachelor of Creative Arts
Bachelor of Education
Bachelor of Engineering
Bachelor of Environmental Science
Bachelor of Exercise Science and Rehabilitation
Bachelor of Health Science in Indigenous Health
Bachelor of Information & Communication Technology
Bachelor of Internet Science & Technology
Bachelor of Laws
Bachelor of Mathematical Sciences
Bachelor of Mathematics and Economics
Bachelor of Mathematics and Finance
Bachelor of Medical Physics
Bachelor of Medicinal Chemistry
Bachelor of Medical Radiation Physics
Bachelor of Nursing
Bachelor of Nutrition & Dietetics
Bachelor of Psychology
Bachelor of Teaching

a candidate shall complete satisfactorily the subjects and the
requirements prescribed in one of the course structures in the relevant
Faculty.

112 Course Requirements for Prescribed Double Degree
Courses for Bachelor Degrees

To qualify for the award of the degrees of:

Bachelor of Arts-Bachelor of Commerce
Bachelor of Arts-Bachelor of Engineering
Bachelor of Arts-Bachelor of Laws
Bachelor of Commerce-Bachelor of Laws
Bachelor of Computer Science-Bachelor of Laws
Bachelor of Computer Science-Bachelor of Science
Bachelor of Creative Arts-Bachelor of Arts
Bachelor of Creative Arts-Bachelor of Commerce
Bachelor of Creative Arts-Bachelor of Computer Science
Bachelor of Creative Arts-Bachelor of Laws
Bachelor of Creative Arts-Bachelor of Science
Bachelor of Engineering-Bachelor of Commerce
Bachelor of Engineering - Bachelor of Mathematics
Bachelor of Engineering - Bachelor of Science
Bachelor of Information & Communication Technology-Bachelor of Laws
Bachelor of Mathematics-Bachelor of Computer Science
Bachelor of Mathematics-Bachelor of Engineering
Bachelor of Mathematics-Bachelor of Laws
General Information

Bachelor of Science - Bachelor of Arts
Bachelor of Science - Bachelor of Commerce
Bachelor of Science-Bachelor of Laws

A candidate shall complete satisfactorily the subjects and the requirements prescribed in one of the double degree course structures in the relevant Faculty.

113 Course Requirements for Honours Bachelor Degrees in Arts, Commerce, Computer Science, Creative Arts, Mathematics, Nursing & Science

To qualify for award of an honours degree of:

Bachelor of Arts
Bachelor of Commerce
Bachelor of Computer Science
Bachelor of Creative Arts
Bachelor of Mathematics
Bachelor of Nursing
Bachelor of Science

by either a single or a combined course of study as prescribed in Rule 104, a full time candidate shall, within a period of two consecutive sessions not including summer session, or a part time candidate shall, within a period of four consecutive sessions not including summer session, as prescribed at registration, accrue an aggregate of at least 48 credit points by the satisfactory completion of an approved combination of 400 level subjects listed in the relevant course structure of the relevant Faculty.

114 Conferal of Awards

1. Awards shall be conferred in accordance with the relevant provisions of Rules 6 (6) and 113(2) to (11).

2. Notwithstanding the provisions of part (1) of each of Rules 105 to 109 and rule 110, the degree of:

   Bachelor of Arts
   Bachelor of Commerce
   Bachelor of Computer Science
   Bachelor of Creative Arts
   Bachelor of Mathematics
   Bachelor of Science

may be conferred upon a candidate registered for a relevant double degree course and who satisfies the other provisions of the relevant Rule by the satisfactory completion of subjects having a value of at least 144 credit points of which:

   a) a prescribed minimum number of credit points, including a major study, shall be for subjects listed in the General Schedule; and

   b) the other credit points shall be either, or both, for subjects prescribed in the double degree course or for subjects from the General Schedule.

3. The degree of Bachelor of Arts may be conferred upon a candidate for the Bachelor of Arts-Bachelor of Engineering degrees who satisfactorily completes subjects having the value of at least 144 credit points and which satisfy requirements stipulated in Rule 105.

4. Prior to the conferring of a degree of Bachelor of Education or an Honours degree of Bachelor of Education upon a candidate who holds either a Diploma in Teaching or a Bachelor of Teaching of this University, the candidate shall be deemed to have surrendered the testamur for that Diploma in Teaching or Bachelor of Teaching and in so doing shall be deemed to have surrendered all rights relating to the Diploma or Degree.

5. Prior to the conferring of a degree of Bachelor of Biotechnology or an honours degree of Bachelor of Biotechnology upon a candidate who holds a Bachelor of Science of this University attained by satisfactory completion of subjects prescribed for the first three years for the degree of Bachelor of Biotechnology, the candidate shall be deemed to have surrendered the testamur for that Bachelor of Science and in so doing shall be deemed to have surrendered all rights relating to the degree.

6. A candidate who has attained an approved standard of achievement in the course for the pass degree of Bachelor of Commerce may be awarded that degree with merit, as prescribed in 107(5) above.

7. Prior to conferring of a degree of Bachelor of Laws upon a candidate who holds a Graduate Diploma in Law, with specialisation other than Court Policy and Administration, of this University, the candidate shall be deemed to have surrendered the testamur for that Graduate Diploma and in doing so shall be deemed to have surrendered all rights relating to the Graduate Diploma.

8. A pass bachelor degree shall not be conferred upon a candidate who is registered for the corresponding honours bachelor degree.

9. Prior to the conferring of an honours bachelor degree upon a candidate who holds the corresponding pass bachelor degree of this University, the candidate shall be deemed to have surrendered the testamur for that pass bachelor degree and in doing so shall be deemed to have surrendered all rights relating to the pass bachelor degree.

10. A candidate for a pass degree of:

   Bachelor of Biotechnology
   Bachelor of Education
   Bachelor of Engineering
   Bachelor of Environmental Science
   Bachelor of Information & Communication Technology
   Bachelor of Laws
   Bachelor of Mathematical Sciences
   Bachelor of Mathematics and Economics
   Bachelor of Mathematics and Finance
   Bachelor of Medical Physics
   Bachelor of Medical Radiation Physics
   Bachelor of Medicinal Chemistry
   Bachelor of Psychology

who completes satisfactorily the subjects prescribed in one of the courses listed in the relevant course structure at the standard of achievement prescribed in Rule 8(4) above, shall receive the corresponding honours degree.

11. A candidate who satisfactorily completes relevant requirements may be awarded the honours bachelor degree in one of the classes:

   Honours Class I
   Honours Class II Division 1
   Honours Class II Division 2
   Honours Class III

determined as set out in Rule 8(4) above.

PART 2. GRADUATE CERTIFICATE RULES

201 Preliminary

Part 2 of these Rules applies to a candidate registered for a graduate certificate and is to be read in conjunction with relevant provisions of the General Rules.

202 Graduate Certificates & the Abbreviations

Part 2 of these Rules applies to postgraduate courses leading to the graduate certificates:

GCert in Adult Career Development ................................ GCertCareerDev
303 Course Requirements for the Graduate Certificate

To qualify for award of a graduate certificate, a candidate shall:

a) accrue an aggregate of at least 24 credit points by the satisfactory completion of subjects approved by the Head and prescribed in one of the course structures offered by the relevant Faculty; and

b) be subject to any provisions of the Course Requirements for that particular graduate certificate.

PART 3. GRADUATE DIPLOMA RULES

301 Preliminary
Part 3 of these Rules applies to a candidate registered for a graduate diploma and is to be read in conjunction with relevant provisions of the General Rules.

302 Graduate Diplomas and the Abbreviations
Part 3 of these Rules controls postgraduate courses leading to the graduate diplomas:

GDip in Adult Education & Training.................. GDipAdultEd
GDip in Arts ................................................. GDipArts
GDip in Business Administration.................. GDipBus
GDip in Banking and Finance......................... GDipBankFin
GDip in Business.......................................... GDipBus
GDip in Educational Leadership................... GDipEdLead
GDip in Engineering...................................... GDipEng
GDip in Environmental Education.................. GDipEnvEd
GDip in Forest Conservation & Management........ GDipForestCons&Mgmt
GDip in Gifted Education............................... GDipGiftedEd
GDip in Health Policy and Management........... GDipHP&M
GDip in Higher Education............................... GDipHigherEd
GDip in History Education............................ GDipHistEd
GDip in Indigenous Health Studies................ GDipIndHealth
GDip in Information & Communication Technology... GDipInfoTech
GDip in Literacy......................................... GDipLit
GDip in Maintenance Management.................. GDipMaintMgmt
GDip in Management..................................... GDipMgmt
GDip in Mental Health................................. GDipMndHlth
GDip in Migration and Development................ GDipMigDev
GDip in Multicultural Journalism.................. GDipMultijour
GDip in Nursing........................................... GDipNurs
GDip in Nutrition Management...................... GDipNutrMgmt
GDip in Occupational Health & Safety................ GDipOH&S
GDip in Outdoor Education......................... GDipOutdEd
GDip in Public Health Research Methods........... GDipPubHlthResMth
GDip in Social Change and Development......... GDipSChEd
GDip in TESOL............................................. GDipTESOL
GDip in Textual Studies, Media & Linguistics....... GDipTextStudMedLing
GDip in Quality Management......................... GDipQM

GDip in Commerce........................................ GDipCom
GDip in Education........................................ GDipEd
GDip in Engineering..................................... GDipEng
GDip in Indigenous Health Studies................ GDipIndHealth
GDip in Information Systems........................ GDipIS
GDip in Law................................................. GDipLaw
GDip in Legal Practice................................... GDipLegPrac
GDip in Materials Welding & Joining................ GDipMWJ
GDip in Maintenance Management.................. GDipMntMgmt
GDip in Natural Resources Law...................... GDipNatResLw
GDip in Nursing........................................... GDipNursing
GDip in Public Health.................................... GDipPH
GDip in Science........................................... GDipSc
GDip in Statistics........................................... GDipStat
GDip in TESOL............................................. GDipTESOL
GDip in Total Quality Management.................... GDipTQM

303 Admission & Registration Requirements

1. A candidate shall comply with the relevant provisions of the General Admission Rules and 303(2) or (3).

2. An applicant for registration for the Graduate Diploma in Educational Studies must have qualified for a three year teaching diploma or the equivalent from an approved institution and have at least one year, or the equivalent, of acceptable professional experience.

3. An applicant for registration for the Graduate Diploma in Science with specialisation in Mental Health must have qualified for an approved three year health profession diploma or the equivalent from an approved institution and have at least one year, or the equivalent, of acceptable professional experience.

304 Course Requirements for the Graduate Diploma

To qualify for award of a graduate diploma, a candidate shall:

a) accrue an aggregate of at least 48 credit points by the satisfactory completion of subjects approved by the Head and prescribed in one of the courses structures offered by the relevant Faculty; and

b) be subject to any provisions of the Course Requirements for that particular graduate diploma.

305 Conferral of Awards

1. A Graduate Diploma in Law with specialisation other than Court Policy and Administration, shall not be conferred upon a candidate who is registered for the degree of Bachelor of Laws.

2. Prior to the conferring of a graduate diploma upon a candidate who holds a graduate certificate of the University and which was a component of the graduate diploma, the candidate shall be deemed to have surrendered the testamur for that graduate certificate and in doing so shall be deemed to have surrendered all rights relating to that graduate certificate.

PART 4. MASTERS DEGREE RULES

401 Preliminary
Part 4 of these Rules applies to a candidate registered for a masters degree and is to be read in conjunction with relevant provisions of the General Rules.

402 Masters Degrees & the Abbreviations
Part 4 of these Rules applies to postgraduate courses leading to the masters degrees:
General Information

Master of Arts ................................................................. MA
Master of Banking ............................................................ MBank
Master of Business Administration ....................................... MBA
Master of Clinical Psychology .............................................. MClPysc
Master of Commerce ......................................................... MCom
Master of Computer Science .............................................. MCompSc
Master of Computer Studies .............................................. MCompStud
Master of Court Management ............................................. MCourtMgmt
Master of Creative Arts ..................................................... MCA
Master of Education ........................................................ MEd
Master of Engineering Practice ....................................... MEEngPrac
Master of Engineering Studies ......................................... MEEngStud
Master of Health Management .......................................... MHM
Master of Indigenous Health Studies .................................... MindHealth
Master of Industry-based Information Technology .................. MInfSys
Master of Information & Communication Technology ............. MInfTech
Master of Information Systems .......................................... MIS
Master of Information Technology Management ................. MITM
Master of International Business ....................................... MIB
Master of Internet Technology .......................................... MIT
Master of Journalism ........................................................ MJ
Master of Laws ............................................................... LLM
Master of Laws International ............................................. LLLLIntl
Master of Logistics & Operations Management ... MLogOpMgmt
Master of Mathematics ..................................................... MMath
Master of Natural Resources Law ....................................... MNatResLaw
Master of Nursing ............................................................ MNursing
Master of Nutrition Management ....................................... MNutMgmt
Master of Policy ............................................................... MPol
Master of Professional Accounting ..................................... MPA
Master of Public Health ..................................................... MPH
Master of Quality Management .......................................... MQM
Master of Science ............................................................ MS
Master of Social Change & Development ............................. MSChMD
Master of Statistics .......................................................... MetStat
Master of Strategic Human Resources Management ............... MSHRM
Master of Strategic Marketing ........................................... MSM

403 Course Requirements for the Masters Degree

1. To qualify for award of a masters degree, a candidate shall:
   a) undertake an approved course recommended by the Head;
   b) accrue the required number of credit points by satisfactory completion of subjects comprising the course as set out in Rule 403(2)(3) or (4); and
   c) be subject to any provisions of the Course Requirements for that particular masters degree.

2. For a candidate who has satisfactorily completed a relevant major study or approved equivalent qualification, which does not include a relevant major study or the equivalent of a relevant major study, the course shall comprise subjects having a value of at least 48 credit points at 900 level and selected from the relevant course structure offered by the relevant Faculty.

3. For a candidate who has completed a bachelor degree, or an approved equivalent qualification, which does not include a relevant major study or the equivalent of a relevant major study, the course shall comprise subjects having a value of at least 72 credit points of which:
   a) at least 48 credit points at 900 level shall be for subjects selected from the relevant course structure offered by the relevant Faculty; and
   b) the credit points constituting the remainder of the course shall be for subjects at 200, 300, 400, 800 or 900 level selected from the relevant Schedules and/or course structures; a maximum of 12 credit points may be for subjects at 200 level.

4. For a candidate for a degree of Master of Business Administration, the course shall comprise subjects having a value of at least 96 credit points, selected from the relevant course structure.

404 Conferral of Awards

1. Awards shall be conferred in accordance with the relevant provisions of Rules 6(6) and 404(2).

2. Prior to the conferring of a masters degree upon a candidate who holds a graduate certificate or a graduate diploma of this University and which was a component of the masters degree, the candidate shall be deemed to have surrendered the testamur for that graduate certificate or graduate diploma and in doing so shall be deemed to have surrendered all rights relating to that graduate certificate or graduate diploma.

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PART 5. HONOURS MASTERS DEGREE RULES

501 Preliminary

Part 5 of these Rules applies to a candidates registered for an honours masters degree and is to be read in conjunction with relevant provisions of the General Rules.

502 Honours Masters Degrees & the Abbreviations

Part 5 of these Rules controls postgraduate courses leading to the honours masters degrees:

- Honours Master of Arts ................................................. MA (Hons)
- Honours Master of Arts (Journalism) ............................. MA (Hons)Jour
- Honours Master of Commerce ....................................... MCom (Hons)
- Honours Master of Court Management ......................... MCourtMgmt (Hons)
- Honours Master of Education ....................................... MEd (Hons)
- Honours Master of Engineering .................................... ME (Hons)
- Honours Master of Environmental Science ..................... MEnvSc (Hons)
- Honours Master of Information & Communication Technology .. MInfTech (Hons)
- Honours Master of Information Systems ......................... MIS (Hons)
- Honours Master of Journalism ...................................... MJ (Hons)
- Honours Master of Laws .............................................. LL (Hons)
- Honours Master of Natural Resources Law ...................... MNatResLaw (Hons)
- Honours Master of Nursing ........................................... MNursing (Hons)
- Honours Master of Science .......................................... MS (Hons)
- Honours Master of Social Change & Development ............. MSChMD (Hons)
- Honours Master of Technology Management ..................... MTQM (Hons)

503 Course Requirements for the Honours Masters Degree

1. To qualify for award of an honours masters degree, a candidate shall:
   a) undertake an approved course as recommended by the Head;
   b) accrue the required number of credit points by satisfactory completion of subjects comprising the course as set out in Rule 503(2) and (3);
c) be subject to any provisions of the Course Requirements for that particular honours masters degree; and

d) satisfactorily complete such examinations and other work as may be prescribed.

2. For a candidate who has completed a bachelor degree at a standard of Honours Class II Division 2 or higher or approved equivalent qualification, or in the case of a candidate for the Honours Master of Engineering who has completed a degree of Bachelor of Engineering of this University at a standard of Honours Class III or higher or approved equivalent qualification, the course shall comprise subjects having a value of at least 48 credit points at 900 level, including a research subject, selected from the relevant course structure.

3. For a candidate who has completed a bachelor degree but has not satisfied the requirements stipulated in Rule 503(2), the course shall comprise subjects having a value of at least 96 credit points of which:

a) subjects having a value of at least 48 credit points at 900 level, including a research subject, shall be selected from the relevant course structure; and

b) subjects having a value of at most 48 credit points shall be selected from the relevant course structure, save that, other than in exceptional approved circumstances, no credit points shall be for 100 or 200 level subjects and, at most, 24 credit points shall be for 300 level subjects.

504 Conferral of Awards

1. Awards shall be conferred in accordance with the relevant provisions of Rules 6(6) and 504(2).

2. Prior to the conferring of an honours masters degree upon a candidate who holds either a graduate diploma or a masters degree of this University and which was a component of the honours masters degree, the candidate shall be deemed to have surrendered the testamur for that graduate diploma or masters degree and in doing so shall be deemed to have surrendered all rights relating to that graduate diploma or masters degree.

505 Outside Work

A full time candidate may be permitted to undertake teaching in the University or other work which, in the judgment of Council, will not interfere with pursuit of the course.

PART 6. DOCTORAL DEGREE RULES

601 Preliminary

Part 6 of these Rules applies to a candidate registered for a doctoral degree by thesis and is to be read in conjunction with relevant provisions of the General Rules.

602 Doctoral Degrees & the Abbreviations

Part 6 of these Rules applies to postgraduate courses leading by thesis to the doctoral degrees:

Doctor of Philosophy ............................................................... PhD
Doctor of Clinical Psychology ............................................. DClinPsyc
Doctor of Creative Arts ...................................................... DCA
Doctor of Education ............................................................ EdD
Doctor of Public Health ....................................................... DPH

603 Admission & Registration Requirements

1. An applicant shall comply with the provisions of the General Admission Rules and 603(2) to (4)

2. An applicant for registration as a candidate for a doctoral degree shall have qualified for a bachelor degree with Honours Class II,

Division 2 or higher of this University or possess an approved equivalent qualification from another institution.

3. Notwithstanding any other provisions of these Rules, the Head shall recommend whether the applicant is fit to undertake study leading to the award of a doctoral degree and certify that the unit has the necessary resources to provide supervision in the discipline in which the applicant proposes to study.

4. A candidate shall register as a full time candidate for a doctoral degree except that:

a) a member of the full time staff of the University; or

b) a person who is not a member of the full time staff of the University, but who, in the opinion of Council, is engaged in an occupation which provides opportunity to pursue study in the relevant academic unit, may be accepted as a part time candidate for the degree, in which cases a minimum period for the duration of study shall be prescribed.


A candidate for a degree by thesis of Doctor of Philosophy, Doctor of Clinical Psychology, Doctor of Creative Arts, Doctor or Public Health or Doctor of Education shall enrol in a research subject comprising a thesis and undertake an approved study which may include specified course and/or practical work and/or performance as recommended by the Head.

605 Outside Work

A full time candidate may be permitted to undertake teaching in the University or other work which, in the judgment of Council, will not interfere with pursuit of the course.

PART 7. DOCTORAL DEGREE BY PUBLICATION RULES

701 Preliminary

Part 7 of these Rules applies to a candidate for a doctoral degree by publication and is to be read in conjunction with the relevant provisions of the General Rules.

702 Doctoral Degree & the Abbreviation

Part 7 of these Rules applies to the postgraduate course leading to the doctoral degree by publication:

Doctor of Philosophy ............................................................... PhD

703 Requirements for Doctor of Philosophy by Publication

1. A person may apply for admission as a candidate for the degree of Doctor of Philosophy by publication provided that person:

a) is a graduate of this University or of the University of New South Wales at the Wollongong University College; and

b) has standing of not less than eight years after admission to the first degree for which the candidate has qualified;

or

b) is not a graduate of this University but is a member of the full time academic staff with standing of not less than eight years after admission to a first degree of another University.

2. An application, accompanied by the prescribed charge, shall be made in writing to the Vice Principal (Administration) and shall include:

a) identification of the academic unit with which the contribution to scholarship is considered to be most closely associated,
b) five copies of a list of published works on which the claim for admission to the degree is based;

c) five copies of the works listed in 703(2)b), all works, apart from quotations, to be presented in, or translated into, English, unless otherwise approved; and

d) a statement, which shall be an overview of normally not less than 5,000 words, setting out ways in which the collective publications provide an original and significant contribution to knowledge and incorporating:

i) details of sources from which the works were derived;

ii) details of the extent to which work of others has been availed upon;

iii) details of the extent to which the applicant was responsible for the initiation, conduct and direction of any joint works submitted as part of the application;

iv) evidence that the publications have standing as significant contributions to knowledge; and

v) a declaration identifying any of the works referred to in Rule 703(2)b) which have been submitted for any qualification of any tertiary institution.

704 Course Requirements for Doctor of Philosophy by Publication

A candidate for the degree of Doctor of Philosophy by publication shall enrol in a research subject comprising a thesis in accordance with the provisions of Rule 10(1).

705 Examination

1. Should Council be satisfied that the submitted work is of sufficiently high quality to be prima facie worthy of examination for the degree, it shall appoint examiners as prescribed in Rule 10(4).

2. The applicant may be required to respond orally or in writing to questions concerning the work and the general relevant field of knowledge to which it pertains.

3. The examination of the work submitted shall be conducted as prescribed in Rule 10(5).

PART 8 HIGHER DOCTORAL DEGREE RULES

801 Preliminary

Part 8 of these Rules applies to a candidate for a prestigious higher doctoral degree and is to be read in conjunction with relevant provisions of the General Rules.

802 Higher Doctoral Degrees & the Abbreviations

Part 8 of these Rules applies to postgraduate courses leading to the higher doctoral degrees:

Doctor of Laws ................................................................. LLD
Doctor of Letters ............................................................. DLitt
Doctor of Science ............................................................... DSc

803 Requirements for Doctor of Laws, Doctor of Letters & Doctor of Science

1. A person may apply for admission as a candidate for the degree of Doctor of Laws, Doctor of Letters or Doctor of Science provided that person:

   a) is a graduate of this University or of the University of New South Wales at the Wollongong University College; and

   ii) has standing of not less than eight years after admission to the first degree for which the candidate has qualified; or

   b) is not a graduate of this University but is a member of the full time academic staff with standing of not less than eight years after admission to a first degree of another University.

2. An application shall be made in writing to the Vice-Principal (Administration) and shall include:

   a) identification of the academic unit with which the contribution to scholarship is considered to be most closely associated;

   b) five copies of a list of published and/or unpublished works on which the claim for admission to the degree is based;

   c) five copies of the works listed in 803(2)b), all works, apart from quotations, to be presented in, or translated into, English, unless otherwise approved; and

   d) a statement, which shall be an overview of normally not less than 5,000 words, setting out ways in which the collective works provide an original and significant contribution to knowledge and incorporating:

   i) details of sources from which the works were derived;

   ii) details of the extent to which work of others has been availed upon;

   iii) details of the extent to which the applicant was responsible for the initiation, conduct and direction of any joint works submitted as part of the application;

   iv) evidence that the publications have standing as significant and sustained contributions to knowledge; and

   v) a declaration identifying any of the works referred to in Rule 803(2)b) which have been submitted for any qualification of any tertiary institution.

804 Examination

1. Should Council be satisfied that the submitted work is of sufficiently high quality to be prima facie worthy of examination for the degree, it shall appoint examiners as prescribed in Rule 10(4).

2. The applicant may be required to respond orally or in writing to questions concerning the work and the general relevant field of knowledge to which it pertains.

3. The examination of the work submitted shall be rigorous and conducted as prescribed in Rule 10(5)
PART III - POLICIES & CODES OF PRACTICE

POLICIES

The University has a range of policies to give guidance to students and staff.

Policies exist on the following issues:

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<thead>
<tr>
<th>Policy</th>
<th>Web Address</th>
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</thead>
<tbody>
<tr>
<td>Assignments submitted by Facsimile or Email</td>
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<tr>
<td>Authorship</td>
<td><a href="http://www.uow.edu.au/research/authors/authorship.html">http://www.uow.edu.au/research/authors/authorship.html</a></td>
</tr>
<tr>
<td>Non-Discriminatory Language Practice and Presentation</td>
<td>EEO</td>
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<tr>
<td>Principles under which Subject Material may be Sold to Students by Academic Units</td>
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<td>Respect for Cultural Diversity</td>
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<td>Secretariat</td>
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<tr>
<td>Children on Campus Policy</td>
<td>EEO</td>
</tr>
</tbody>
</table>

A copy of all Policies can be obtained from the Worldwide Web address as detailed above or from the Secretariat Office in the Administration Building or by phoning (02) 4221 3866.

ACKNOWLEDGEMENT PRACTICE

Plagiarism (see also Codes of Practice - Student & Teaching & Assessment)

In a university, ideas are important, and it is also important to give people appropriate credit for having ideas.

There are several reasons why you should give people credit when using their ideas; three of the more important of those reasons are:

- fairness to authors and other students, the responsibility of students to do independent work, and respect for ownership rights.

If, in writing an essay or report, you copy a passage from a book word-for-word and don’t give a reference to the book, this is:

- unfair to the author who wrote the passage in the book;
- unfair to other students who do their own work without copying;
- failure to do independent work as expected in a university; and
- breach of copyright.

Giving and gaining credit for ideas is so important that a violation of established procedures has a special name: plagiarism. Plagiarism means using the ideas of someone else without giving them proper credit. That someone else may be an author, critic, journalist, artist, composer, lecturer, tutor or another student. Intentional plagiarism is a serious form of cheating. Unintentional plagiarism can result if you don’t understand and use the acceptable scholarly methods of acknowledgment. In either case, the University may impose penalties which can be very severe.

Over many years, procedures have been developed for acknowledging ideas in all forms of expression. In published writings, for example, authors are expected to give references to articles and books on which they have relied, and to give written thanks to people who have helped them in preparing their work.

There are several methods for giving credit in written work and the lecturers and tutors in the academic units in which you study should inform you about methods that are acceptable to them. A good way to gain a better understanding of those methods in a particular discipline is to read articles published in academic journals of that discipline.

The following examples will help you understand some of the common methods for acknowledging your sources. If you have any questions about these methods, check with your lecturer or tutor.

Acknowledging Sources of Quotations

If you copy a paragraph or even a sentence from an article, a book, lecture notes or an essay or report of another student, it should be put in quotation marks and the article, book or other source should be listed in a footnote or in the bibliography or in the references.

Example 1: “The subjugation of thought in Australia through stringent censorship and draconian defamation laws has existed throughout the 200 years of white settlement” (Pollak, 1990, p 7).

Correct: The bibliography should then include:


Example 2 is presented using the author-date system in which the author of the work and the date the work was published are listed in brackets.

Example 2: “The subjugation of thought in Australia through stringent censorship and draconian defamation laws has existed throughout the 200 years of white settlement.”

Correct - see the footnote.

Example 2 is presented using the footnote system in which the full reference is given as a footnote. You should be aware that, depending on the system your lecturer or tutor prefers, you may use either footnotes at the foot of the page or endnotes at the end of the text.

Example 3: The subjugation of thought in Australia through stringent censorship and draconian defamation laws has existed throughout the 200 years of white settlement.

Wrong and very bad: this is a direct quote from Pollak and therefore should be placed in quotation marks followed by a reference using the author-date system or the footnote or endnote system.

If you use a quote, the words in quotation marks must be copied exactly as they are in the original source.

Example 4: “In Australia, stringent censorship and draconian defamation laws have existed throughout the two hundred years of White settlement” (Pollak, 1990, p 7).

Wrong: the quote is inaccurate in several places.


In incisive phrases which you need to make a special point in your essay. The distinction between what needs to be acknowledged and what is common knowledge is not always clear. As you gain experience in newspapers, magazines, popular journals and radio and television places.

Example 10: How to Avoid Plagiarism

Example 6: In this essay, the use of censorship against Dorothy Hewett, Terry Hayes, Chris Masters and Brian Toohey will be described.

Correct: In the last four chapters of Pollak's book, the use of censorship against Dorothy Hewett, Terry Hayes, Chris Masters and Brian Toohey will be described.

Example 7: Stringent defamation laws combined with tight censorship practices have meant that independent thought has been under attack since white settlement began in Australia (Pollak, 1990, p.7).

Wrong: this is too close to Pollak's original wording.

Example 8: In Australia, stringent censorship and draconian defamation laws have led to the subjugation of thought in Australia throughout the 200 years of White settlement (Pollak, 1990, p 7).

Correct: In this essay, stringent censorship and draconian defamation laws have led to the subjugation of thought in Australia throughout the 200 years of White settlement (Pollak, 1990, p.7).

Example 9: Stringent defamation laws combined with tight censorship practices have meant that independent thought has been under attack since white settlement began in Australia (Pollak, 1990, p.7).

Wrong: there is no citation of Pollak.

It is often better to avoid paraphrasing altogether and write things in your own words. One good way to do this is to first read the book or article and make brief notes. Then close the book or turn over the article and write what you want to say without looking at the source. In other words, don't refer to the source material while you are writing, unless you are transcribing a direct quote. Then, afterwards, put in the citations, in the appropriate form and at the appropriate places.

Common Knowledge

It is unnecessary to give a citation to something that is common knowledge. Common knowledge is what 'everyone knows' about a particular subject, or which can be found in many sources such as newspapers, magazines, popular journals and radio and television reports.

Example 10: Defamation laws are quite severe in Australia.

Correct: this is common knowledge. No citation is needed.

How to Avoid Plagiarism

Unwitting plagiarism is often the result of poor study methods. The habit of copying verbatim (word-for-word) from a source as you read is dangerous. It is easy to forget that the notes you make are verbatim and to later write them into an essay or report. The only material you should write verbatim are those absolutely delightful, pithy, witty or incisive phrases which you need to make a special point in your essay or report.

The distinction between what needs to be acknowledged and what is common knowledge is not always clear. As you gain experience in expressing yourself, you will learn to discriminate and you will learn the acceptable practices for acknowledgement in the disciplines in which you study. But while you are learning, always play safe and acknowledge, acknowledge, acknowledge.

Tuition Fee Policy

The University of Wollongong fees policy applies to both commencing and re-enrolling students.

1. Course Fees

Tuition fees are normally set as an annual fee for a course and are charged per credit point of enrolment. Tuition fees are subject to annual review. Students who enrol in a course over more than one year will be charged in each year of enrolment at the approved rate for that year. For International students fees are fixed for the duration of the course, provided the course is completed in the minimum time, and are fixed at the level quoted in the final offer letter. Fees for any study after the minimum time has lapsed will be payable at the level set at the commencement of each subsequent year. International students are required to pay a full session of fees in their first session of enrolment.

Applicants who have a conditional offer, or who request a change in their offer in any way, will be subject to the fee quoted in the final unconditional offer.

Tuition fees must be paid each session before enrolment can be completed for that session.

An instalment plan may be available for the payment of tuition fees. Where available, fifty percent of the tuition fee for that session plus an administration fee (currently $50 per session) is due before enrolment can be completed for that session, with two instalments of 25% of the tuition fee during the session. For International students an Installation plan may be available to re-enroling students who experience hardship in paying fees. Fifty percent of the tuition fee plus an administration fee (currently $100) is due prior to the commencement of session, with two instalments of 25% of the tuition fee due during the session.

2. Transfers & Deferments

Students who transfer from one course to another are liable to pay the fee prescribed for the new course for that year.

A student who defers, or takes leave of absence from a course (not applicable to International students), or recommences a course following an unapproved absence, will be subject to the fees prescribed for the course in the year of recommencement.

3. Refunds

All applications for a refund must be accompanied by the required documentary evidence. Any refund approved will only be paid to the applicant/sponsor. For international students applications for a refund must be submitted on the appropriate application form and any refund approved will only be paid to the applicant, and will only be made in the student's country by Australian Dollar Draft.

A total refund will be made before the commencement of study when:

An offer of a place is withdrawn by the University of Wollongong. (Unless the offer was made on the basis of incorrect or incomplete information being supplied by the applicant, in which case 80% of the fee will be refunded.)

The University of Wollongong is unable to provide the course for which the student has applied and/or the subject (not applicable to International students) in which the student requests enrolment.

The student is not permitted to enrol or re-enrol because the relevant requirements (usually course or subject pre-requisites, or the terms of a conditional offer) are not satisfied.

The applicant is unable to obtain a visa from an Australian Diplomatic Post.

A partial refund of tuition fees will be made when a student is unable to continue study due to serious illness. Students may elect to credit the full fee over to another session for up to one year.
Partial refunds for applications received before the commencement of a session will be 80% of the tuition fee.

Partial refunds for applications received before the census date or first quarter of a non-standard session (will be 50% of the tuition fee, after this date fees are not refundable).

International students who withdraw from subjects prior to the international students’ census date will have their tuition fee credited to the next session.

Where an International student withdraws from a course the Department of Immigration and Multicultural Affairs will be advised.

4. Permanent Resident Status (International Students only)

A total refund of fees will be payable if the student has:

i) Obtained permanent resident status by the international students’ census date for that session and a written request for change of status is received by the Academic Registrar by that date; and

ii) Satisfied Section 41 of the Higher Education Funding Act 1988, that is, has completed a HECS Payment Options Form by the census date.

Permanent resident status is recognised from the date stamped on the student’s passport.

5. Penalties for Non-Payment & Reinstatement Fee

Any student who is indebted to the University and fails to make a satisfactory settlement of this indebtedness upon receipt of due notice ceases to be entitled to membership and privileges of the University. Such a student is not permitted to register for a further session, to attend classes or examinations, or to be granted any official credentials.

Enrolment will be cancelled when fees have not been paid in full by the due date. Access to University facilities (email, library) will be withdrawn, examination results will not be provided, and graduation will not be permitted for students who are indebted. Re-enrolment in the next session will not be permitted for students who have fees outstanding. Indebtedness to the University includes the non-payment of charges, late charges, library fines, any arrears in rent or other financial obligations resulting from an accommodation agreement entered into with the University, and any indebtedness incurred as a result of any other financial obligation to the University.

When fees are not paid in full by the due date, a late fee of $200 will be charged. For International students the late fee is $450.

In order for an enrolment to be reinstated a student must pay all outstanding amounts, including late fees, plus a Reinstatement Fee of $100.

6. Transfer of International Students to other Institutions

The Department of Immigration and Multicultural Affairs has a policy which prevents international students from transferring to another institution within the first 12 months after their arrival in Australia or, if the course is less than twelve months duration, students must remain at the original institution for the duration of their course. For further information on this policy and the process for applying for permission to transfer on the grounds of exceptional circumstances, students should contact the Department of Immigration and Multicultural Affairs.

7. Special Circumstances

The Academic Registrar may consider special cases where the fees policy does not adequately encompass individual circumstances. Such cases must be received in writing and include supporting documentation, including a recommendation from either the Dean of Students or the Faculty.

General Information

CODES OF PRACTICE

The University has Codes of Practice which govern the conduct of its members, both staff and students.

The current Codes are:

Students
Teaching & Assessment
Practical Placements
Research

Code of Practice - Students

Teaching at the University involves the active participation of students who share with staff the responsibility to ensure that teaching is conducted efficiently and effectively, enabling students to achieve their maximum potential. A separate Code of Practice - Teaching & Assessment sets out the responsibilities of staff to the students they teach and covers every aspect of the presentation, delivery and assessment of subjects.

1. Responsibilities of Students

become familiar with the rules governing the degree in which they are enrolled;

check their enrolment status at audit dates in each session, and inform themselves of deadlines for withdrawal/ addition of subjects;

abide by the policies and practices of the Faculty and/or of the Academic Unit from which they take subjects, as explained in the subject outline handed out by the end of the first week of lectures for every subject;

take the initiative and consult with appropriate academic staff when problems arise (see below Reviewing Assessment Marks and Grades and Late Submission of Work);

maintain satisfactory academic progress as set out in the degree rules;

meet deadlines for work to be submitted as set out in the subject outline;

attend all lectures, tutorials, seminars and practical work as stipulated in subject outlines for subjects in which they are enrolled;

submit original work for assessment, without plagiarizing or cheating, abiding by the University’s policies on Plagiarism (see below) as set out under University Policies, and in Faculty handbooks and subject guides;

abide by the Rules for Student Discipline, Rules for Campus Access & Order, Rules for Governing the Use of University Computing Facilities, Code of Conduct - Library and the Code of Practice - Practical Placements; and respect the diversity of members of the campus community.

2. Responsibilities of Staff

Teaching staff of the University have responsibilities towards the students they teach, including preparing and presenting material at an appropriate standard within the resources available; informing students, by the end of the first week of formal contact for each subject, of the requirements for the subject and of the method(s) of assessment to be used for the subject; being available for reasonable periods of time during most weekdays of session, the study weeks and the examination periods so that students may discuss aspects of the subject with them; assessing students’ work fairly, objectively and consistently across the candidature for the subject; being available to students after marked material has been returned and after the final results have been released so that any student who seeks it can be shown how his/her result was determined.
3. Plagiarism
Plagiarism is the use of another person's work or idea as if it is your own. The other person may be an author, critic, lecturer or another student. When it is desirable or necessary to use other people's material, take care to include appropriate references and attribution - do not pretend the ideas are your own. Be sure not to plagiarise unintentionally. The University's practice concerning plagiarism is set out under "Acknowledgment Practice/Plagiarism".

Plagiarism has led to expulsion from the University.

4. Subject Information
In the first week of lectures for every subject, students will receive written information about the subject which will provide details of the requirements of the subject, the method of assessment and all other relevant information about the subject.

5. Required Reading
The information sheet referred to above will also contain information about the text books for the subject, the reference books and any other required reading. As academic staff are constantly keeping up to date with new developments in their areas of interest, students should be aware that other relevant material that becomes available during the period in which the subject is taught may also be introduced as required reading.

6. Reviewing Assessment Marks & Grades
Result notices are distributed to students at the end of each session setting out the aggregate mark and grade awarded for each subject completed in that session. If students wish to have their mark reviewed they must approach staff listed below in order given, progressing to the next line if they are unhappy with the resolution achieved at that level:
- The Tutor/Marker
- The Subject Co-ordinator
- The Head of Department (Program or School)
- The Dean of the Faculty
- The Dean of Students

Marks for essays and assignments can also be reviewed under this procedure if students feel that the mark awarded is not a true indication of their performance. As required by the Code of Practice - Teaching and Assessment staff are always available to discuss students' work and to explain how the assessment was determined. Students should consult Appendix 6, Section 1.5 of the Code of Practice - Teaching and Assessment for further information on this matter.

7. Late Submission of Work
Extensions of time to submit material for assessment can only be granted in exceptional circumstances such as illness or misadventure. Written notice is given at the beginning of lectures for each subject of the requirements for the subject and this information includes the dates for the submission of work for assessment. "Pressure of work", either from employment or from other subjects, is not an acceptable reason for seeking an extension of time.

8. Required Reading
The University of Wollongong is committed to creating and sustaining an effective environment for learning, recognising that the aim of University teaching is:

- to enable students to reach their highest possible level of learning during their time of enrolment, and to prepare them for life-long learning. In practice this means that staff collectively are responsible for ensuring that the design, management and teaching of their subjects facilitate effective learning.

The University of Wollongong values good teaching practice and is responsible for providing a quality learning environment. It does so through its endorsement of ethical policies, fair and open practices on assessment and supervision and rigorous procedures for the introduction of new and review of existing subjects.

Code of Practice - Teaching & Assessment
The University of Wollongong is committed to creating and sustaining an effective environment for learning, recognising that the aim of University teaching is:

- to enable students to reach their highest possible level of learning during their time of enrolment, and to prepare them for life-long learning. In practice this means that staff collectively are responsible for ensuring that the design, management and teaching of their subjects facilitate effective learning.

1. Responsibilities

1.1 Institution
The University of Wollongong values good teaching practice and is responsible for providing a quality learning environment. It does so through its endorsement of ethical policies, fair and open practices on assessment and supervision and rigorous procedures for the introduction of new and review of existing subjects.

1.2 Heads of Academic Units
The Head will ensure that:

1. academic staff are familiar with relevant University policies, including this Code;
2. academic staff provide subject and course documentation which comply with University policy and provisions of this Code;
3. assessment methods and practices comply with University policies and provisions of this Code;
4. academic staff carry out all assessment fairly, objectively and consistently across the candidature for the subject;
5. group activities are assessed by means which will allow the real contribution of each member of the group to be determined (Appendix 2);
6. academic staff are available to students for consultation;
7. the academic unit keeps a copy of every subject outline distributed by staff in each subject. This file will be available to all students and staff; and
8. academic staff abide by Occupational Health & Safety regulations while conducting classes.

9. Unclaimed assessment items worth 20% or more of the aggregate mark for the subject must be retained for a period of one month after the end of session; those worth less than 20% for one month after the date of submission. Examination papers should be kept for a period of twelve months following the end of the exam period.

1.3 Staff
Academic staff carry out their teaching responsibilities under the authority of the Head. Staff have the following responsibilities:

1. to identify the objectives of the subject clearly and in terms which enable students to understand what skills and knowledge they are expected to achieve, and what values and attitudes will be fostered by satisfactorily completing the subject; these objectives must be included in the Subject Outline (Appendix 3);
2. to assess students' work fairly, objectively and consistently and to provide adequate feedback on performance (Appendix 1);

Committee, April 1993, Canberra, p.2.

1 ibid, p.2.
3. to prepare and present subject material at an appropriate standard and within the resources available;

4. to provide, where appropriate and possible, opportunities for students to participate in identifying their learning needs and planning their learning experiences and ways in which they will be assessed;

5. to inform students in writing by the end of the first week of formal contact for each subject of the requirements for the subject including the method(s) of assessment to be used, or no later than the second week in cases where assessment methods and practices are to be finalised after consultation with the enrolled students. (Essential requirements are listed in Appendix 3 Subject Outline Checklist and Appendix 4 Policy on Plagiarism);

6. to ensure that no change is made to assessment methods or weightings after the second week of session without the consent of every student enrolled in the subject. The subject co-ordinator must inform the Head of Academic Unit of any proposed changes and the way in which students are to be notified;

7. to be available at least four hours a week (these times to be publicly displayed in the Academic units) during session, so that at reasonable times students may discuss aspects of the subject with staff, taking into account the needs of part-time students; to be available to students after marked material has been returned and after the final results have been released, so that students who seek information can be shown how their result was determined;

8. to make reasonable accommodation within the established teaching environment for students with a disability;

9. to notify the Head of the academic unit or Dean as appropriate, of potential or actual conflicts of interest;

10. to maintain the principles set out in the University of Wollongong Privacy Policy, chiefly the confidentiality of personal information including marks;

11. to attend meetings of the Assessment Committee to advise the Head on marks and grades;

12. to ensure that all assessment work and other teaching commitments have been completed and that marks have been considered by the Assessment Committee of the Academic Unit before departing on discretionary leave. Another member of staff of the unit must be available to answer any subsequent enquires about the subject; and

13. to exercise their responsibilities under the Occupational Health & Safety legislation and Discrimination legislation.

14. to ensure that arrangements for practicum or other course and subject requirements do not deprive students of a seven day study break before the beginning of their exams except with the express permission of the Pro Vice-Chancellor (Academic).

1.4 Students

Students have a responsibility to:

1. comply with the requirements of assessment;

2. comply with the document ‘Acknowledgement Practice’ (Appendix 4);

3. submit for assessment their own individual and unassisted work, except as otherwise permitted; and

4. in general respect the rights of other students and staff engaged in the teaching process and to conform to the 'Code of Practice—Students' which details student responsibilities.

2. Principles Governing Assessment Practice

2.1 Purposes of Assessment

Assessment is an essential part of the teaching and learning process. Properly selected assessment tasks signal the importance of developing the attributes of a Wollongong graduate through particular content, concepts and skills. They influence approaches to study and help students to allocate their time appropriately. Constructive and timely feedback on assessment helps students to gain a sense of achievement and progress, an appreciation of the performance and standards expected in a particular discipline or professional area, and to learn from their endeavours.

Staff need to consider the functions of each component of assessment, selecting methods and practices which ensure that these can be achieved. Information about these functions should be communicated to students. The functions are:

1. to judge performance, to grade students and to determine whether and how well a particular student has attained the stated learning objectives, and

2. to determine whether a particular student is sufficiently well-prepared in a subject area to proceed to the next level of instruction;

3. to provide feedback to students which indicates levels of attainment, and to indicate and diagnose misunderstandings and learning difficulties, and

4. to provide feedback to teaching staff to indicate areas in which students are experiencing difficulties, and to identify and diagnose ineffective teaching; and

5. to promote learning.

2.2 Good Practice in Assessment

1. Assessment should promote learning and improve student performance.

2. Assessment should be in a form which allows the determination of how well each student has achieved the objectives of that subject and provides appropriate feedback.

3. Weightings for each assessment component, and deadlines for submission of material for assessment should take into consideration the objectives of the subject and the required function of the assessment.

4. Feedback on performance should be provided to students before mid-session, in time for withdrawal without penalty, and to improve performance before further assessment; undue delay in providing feedback is unacceptable practice.

5. Material submitted for assessment which is also intended to inform students and/or which is relevant to the final examination for the subject, should be marked and returned before the study week before the formal examinations.

6. Assessment should be based on more than one piece of work and should require demonstration of achievement in a range of objectives.

7. As part of the assessment in every subject, students should produce some written work and at least one piece of individual work from which the unaided capability of each student can be assessed.

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3 Senate Resolution 9347) 21 July 1993; ii) that academic staff be required to place on their office doors a notice indicating at least four hours per week, over at least two days, when they will be available for consultation with students without appointments or come to some other arrangement for publishing availability as agreed with the Head of Department.

4 Guidelines for Effective University Teaching, The University Teacher and Effective Teaching Practice, Australian Vice-Chancellor’s Committee, April 1993, Canberra, p.3.
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8. No component of assessment should count for more than 70% of final mark, except in subjects designated research project.

9. Assessment methods should provide reasonable accommodation for students with disability.

2.3 Administration of Assessment

1. The Role of Heads of Units

   i) Heads of Academic Units have general responsibility for the assessment process but will be advised by the Assessment Committee which comprises all academic staff of the unit.

   ii) The Head, after receiving advice from the Assessment Committee, shall determine:
   
   • the methods for assessing the performance of students, and
   • the standard of achievement required for the approved grades of performance according to the provisions of Course Rule 010 Assessment.  

   iii) While attendance at prescribed classes is not a component of assessment in any subject, the Head may prescribe that participation in class activities be a consideration for determining pass or fail.

   iv) The Head may prescribe that attendance at specified classes be a mandatory requirement for satisfactory completion of a subject and in such cases mechanisms must be in place to ensure fulfilment of any mandatory requirements.

2. The Role of the Assessment Committee

The Assessment Committee for each academic unit should advise the Head of the Academic Unit on assessment used in the Unit including all major components of assessment for each subject, particularly examination papers. It has responsibility for reviewing examination papers to determine whether the requirements set out in Section 2.4 below are satisfied and, if not, to collaborate with relevant examiners to ensure that appropriate amendments are made.

In advising the Head on the final mark for each student in a subject, the Assessment Committee exercises academic judgement by:

   i) reviewing the results of assessment of each student and the grade distribution for each subject;

   ii) ensuring that any modification or scaling of marks (as advised to students in the subject outline) has been applied systematically and consistently; and

   iii) ensuring that the marks presented to the Faculty Examination Committee for determination and declaration properly reflect the levels of performance of individual students.

3. Documentation of Assignment Receipt & Return

Academic units must provide a system for recording the submission and return of work, to safeguard against claims of non-receipt and non-return. The recommended approach is to use cover sheets with two tear-off sections, one to provide a receipt for the student upon submission of the work to which the cover sheet is attached, and the other to provide a receipt for the unit upon return of the marked work to the student. Should an academic unit prefer an alternative system it must provide safeguards against claims of non-receipt and non-return.

The Appendices referred to in this document are listed below:

Appendix 1 Statement of Good Practice - Feedback on Assessment
Appendix 2 Group Work
Appendix 3 Subject Outline Checklist
Appendix 4 Plagiarism
Appendix 5 Reviewing Assessment Marks & Grades
Appendix 6 Examination Process

If you wish to refer to these Appendices they are available at www.uow.edu.au/about/teaching/teaching-code.html

Code of Practice - Practical Placements

Introduction

The Code of Practice - Practical Placements sets out the current policies and practices relating to the workplace experience and other practical training requirements which comprise the whole or part of subjects offered at the University of Wollongong. Its purpose is to make clear what is expected from students, supervisors and the University, and to minimise difficulties caused by misunderstanding or poor communication. The Code does NOT apply in its entirety to placements or work experience, such as professional experience requirements not formally assessed, but which students must complete before becoming eligible for the award of a degree. However, academic units responsible for such placements or experience should apply those parts of the code that are appropriate.

A practical placement is a learning experience which enables students to develop their knowledge and skills. Where students have a disability or personal difficulty which may affect their capacity to undertake the placement, the University will discuss the nature of the problem, but where it cannot be accommodated the University will assist the student in exploring alternatives.

Definitions

In this Code of Practice:

- 'placement' includes any element of work, observation and experience in a workplace outside the University which is a requirement of any course of subject offered by the University;

- 'placement co-ordinator' means the member of the staff of the University responsible for supervision of the experience or placement;

- 'supervisor' means the person in the workplace responsible for the direction of the student during the placement.

- 'client' means any person or persons to whom a service is being provided.

Responsibilities of the Student

Students will:

behave ethically and in a manner which upholds the good name of the University of Wollongong;

adhere to the professional ethics and codes of conduct appropriate to their discipline;

be familiar with the goals and requirements of the practicum;

sign a document acknowledging that they have read and agreed with the Code of Practice—Practical Placements;

advise the placement co-ordinator of any fact which may affect their capacity to undertake the placement, such as a disability or personal difficulty. Students should be aware that the Disability Liaison Officer is legally obliged to disclose to the Placements Co-ordinator any disability that could place the student or the public at risk during a placement;

keep information gained about clients from any sources in strictest confidence;

actively participate in the management of their placement program;

contact placement site prior to their first day on placement and introduce themselves to the supervisor;

consult with supervisor with regard to accommodation and arrange own accommodation and travel. Students must meet the costs of these arrangements;

ensure that all documentation on progress is made available to supervisors on progressive placement sites.

provide any assessment forms and make them available to supervisors as necessary.
ensure that the work or function is completed in a timely manner to satisfy assessment requirements of the university and supervisors.

be punctual and inform their supervisor and Department if they will be late or cannot attend the placement for any reason.

work the hours specified by the supervisor (or by a specialist if the student has a disability). If there is no specific agreement, students will work the normal hours of other staff in that workplace. Where more than 8 hours is worked on any one day, students are entitled to take time in lieu for the additional time, at a time negotiated with the supervisor.

provide a medical certificate for absences of 2 or more days to the supervisor and the Department.

report all absences to the Placement Coordinator. If significant absence affects progress of the student, then additional time on the placement may be required.

adhere to policies and procedures of the placement site.

use resources available at the placement site for the purposes they are intended.

take responsibility for one's own health status and, if necessary, take appropriate action/care to protect the well being of clients.

Responsibilities of the Supervisor

The supervisor will:

ensure that students read the Code of Practice-Practical Placements.

act as a role model introducing students to acceptable professional behaviour.

adopt the role of helper and facilitator of learning.

provide a positive learning environment.

provide a variety of learning experiences in keeping with the placement requirements.

clarify aims and expected outcomes of the placement with the student.

assist the student in identifying resources.

arrange regular and sufficient interviews with the student to discuss progress or difficulties.

where necessary, investigate accommodation options for students and assist them in arranging accommodation and travel.

arrange and provide a safe work environment.

arrange and provide adequate work space.

orient students on the first day of the placement to reduce the student's anxiety about working in an unfamiliar environment.

make adequate observations of the student's work and provide continuing feedback, both verbal and written, to ensure learning progress. Where appropriate, documents provided by the University should be used for this purpose.

report on student progress using documentation provided and notify the Placement Coordinator as soon it becomes apparent that the student is having difficulties meeting the placement objectives.

evaluate the supervision process with students.

Responsibilities of the Placement Coordinator & University

The Placement Coordinator will:

organise and plan the placement program with students and supervisors and negotiate on aspects of student progress and assessment.

facilitate placement contracts with sites where necessary or desired.

be in regular contact with placement sites and approve each site as appropriate.

be accessible by telephone for communication on placement issues.

if necessary, mediate between supervisors and students on placement issues.

provide information on placement requirements. This may be in the form of a 'Supervisor's Practical Placement Manual' and a 'Student Practical Placement Manual' or other written guidelines.

evaluate the placement component and report to the appropriate Faculty or Departmental Committee of the University on progress and developments.

report to the university on any relevant assessment of students in this subject where the practicum is an assessable component of the course.

The University will:

insure students to cover them against injury while on practical placement.

advise students enrolled for programs in Health of the State Government requirement for criminal record checks to be conducted by the New South Wales Police Service prior to any clinical, practical or employment placement in the New South Wales Health Care System.

advise students enrolled for programs in Education of the State Government requirement for criminal record checks to be conducted by the New South Wales Police Service on all prospective employees/individuals who will access schools on a regular basis once eligible for employment.

Code of Practice - Supervision

Preamble

Research training at a University involves the active participation of both staff and students. The responsibility to ensure that research is conducted in the most beneficial, efficient and effective manner is shared by the University collectively, its Academic units, its staff, and its students. All four parties are expected to work towards completion of the thesis within the time frame of DETYA funding.

The primary responsibility of the supervisor is to supervise the work of the student. This includes providing help, support and mentoring to enable the student to complete the research and produce a thesis to the best of the student's ability.

The primary responsibility of the academic unit within which the student is registered is to provide suitable academic infrastructure for the research to be undertaken and successfully completed. The primary responsibility of the University is to provide a framework of policies and procedures within which postgraduate research and research supervision are carried out efficiently and effectively.

Registration of the research students take place within the faculties, under the jurisdiction of the Dean. However faculty structures differ, lines of responsibility for research and research students vary from one faculty to another, and the supervision of research students will frequently involve research units that cross faculty boundaries. Procedures laid down in this Code of Practice should be interpreted along lines of responsibility clarified within each faculty according to its structure, and in accordance with the Research Management Plan of the University.

1. Responsibilities of the University

1.1 to specify clearly minimum entry standards for each level of award;

1.2 to ensure that a reasonable share of space and resources are made available to students;

1.3 to take measures to protect the intellectual property arising from the work of students in accordance with the University policy on IP;

1.4 to administer annual reporting requirements and monitor their effectiveness;

1.5 to set out clear guidelines for examiners outlining the University's expectations for the particular award;
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1.6 to provide procedures by which either the student or the supervisor may make representations as appropriate should significant difficulties arise (see Grievance Procedures);

1.7 The University will provide each student with a copy of the relevant policies at enrolment, including: a copy of this document; the Rules governing the appropriate degree; the Library rules; and the policy relating to intellectual property, as it pertains to students.

2. Responsibilities of the Academic Unit

The academic units and the Faculty Research Committees should negotiate agreed areas of responsibility for students.

2.1 to ensure that the student meets the minimum requirements set down by the University for admission to candidature and is capable of undertaking the proposed project;

2.2 to ensure that the proposed research project is appropriate for the award;

2.3 to ensure that each research project is situated in the most appropriate discipline area;

2.4 to prepare and distribute postgraduate material that sets out the conditions, milestones, and monitoring procedures for undertaking postgraduate research within their unit;

2.5 to foster a supportive environment for research students;

2.6 to ensure that procedures are in place to select the most appropriate supervisor(s) or supervisory panel for the research project;

2.7 to ensure that high quality supervision is provided continuously throughout the research period;

2.8 to provide appropriate opportunities for students to develop their presentational skills;

2.9 to set in place procedures for a formal review of the research proposal, preferably after six months, but not later than one year after first registration. A report on this review must be lodged with the Research Office and placed on the student's file;

2.10 to ensure compliance with the University's policy on -intellectual property.

3. Responsibilities of the Supervisor

The overriding responsibility of supervisors is to provide continuing support to students in researching and producing a thesis to the best of the student's ability. Specific responsibilities are:

3.1 to advise students of their procedural and substantive rights and responsibilities contained in this Code of Practice and other matters as detailed in Appendix A at their first meeting or within a month of this meeting;

3.2 to negotiate an agreement/contract of work to be done and schedules to be adhered to, and which is to be reviewed regularly (see Appendix A: First Interview Checklist);

3.3 to identify any shortcomings in a student's background and to suggest appropriate remedial studies (see Appendix B: Directory of Services);

3.4 to support students in developing a formal thesis proposal for review (see 2.9) within a negotiated time frame;

3.5 to maintain regular contact with the student and to ensure that a reasonable timetable is set to permit the degree to be completed within DEEFA funding limits;

3.6 to require contact with and feedback from the student on a pre-arranged basis and agreed schedule so that the development of the student can be assessed at regular intervals;

3.7 to provide appropriate, helpful, and explanatory feedback to the student on any submissions, to return such feedback in reasonable time, and to assist students to develop solutions as problems are identified;

3.8 to monitor carefully the performance of the student relative to the work agreement and the standard required for the award, and to ensure that the student is made aware of whatever the supervisor may regard as inadequate progress or work below the standard generally expected;

3.9 to complete progress reports as scheduled by current university policy, including the assessment of any required written material in sufficient time to allow for comments and discussions before proceeding to the next stage;

3.10 to provide accurate feedback on the progress of the student in relation to the milestones established for the award by The Faculty, as required by the University and scholarship authorities;

3.11 to counsel students to enrol for a lower award if after one year, progress has been unsatisfactory. Alternatively students may choose to go on probation for the higher award by meeting certain goals as agreed between student, supervisor and a member of the URC from outside the faculty (see Probation);

3.12 to refer problems which cannot be resolved to the Head of the Academic unit, in the first instance; and if further resolution is necessary to the Dean or the Chair of the Faculty Research Committee as appropriate, and as a last resort to the PVC Research (see Grievance Procedures);

3.13 to advise the Faculty Research Committee of the names and credentials of suitable examiners;

3.14 to advise the student as to when and whether the thesis is suitable, in form and content, for submission, and to write a short factual report on the period of study;

3.15 to comply with the university's policy on intellectual property in all interactions with the student.

4. Responsibilities of Students

The primary responsibility for the undertaking, active prosecution and completion of the research rests with students. Specific responsibilities are:

4.1 to become familiar with the procedural and substantive rights and responsibilities of research students at the University of Wollongong;

4.2 to negotiate an agreement/contract of work to be done and schedules to be adhered to with the supervisor(s), which is to be reviewed regularly in the course of the candidature;

4.3 to discuss with the supervisor(s) the most useful type of help required for successful completion of the degree;

4.4 to undertake appropriate remedial work identified by the supervisor(s) should this be necessary;

4.5 to complete and present within an agreed time limit a formal thesis proposal;

4.6 to maintain regular contact with the supervisor(s) and to ensure that a reasonable timetable of meetings and submitted work is agreed and maintained;

4.7 to present required written material in sufficient time to allow for comments and discussions before scheduled meetings;

4.8 to negotiate with the supervisor(s) appropriate ways of documenting meetings including agreed actions arising from supervision sessions;

4.9 to complete progress reports as scheduled by current university policy;

4.10 to accept responsibility for the final copies of the thesis and to submit a thesis which meets the university's requirements on presentation and content.
5. General Issues Relating to Supervisors

5.1 The academic unit should take care to avoid situations where there is a conflict of interest between the supervisor and the student. In appointing supervisors, ensure that they are not engaged in assessing or supervising the research of students with whom they have a close personal relationship, which could give rise to undue advantage or disadvantage. Supervisors, both actual and potential, must advise their Head of Unit of any such relationship.

5.2 Supervisors will be responsible to the Head of the Unit and to the Dean or the Chair of the Faculty Research Committee as appropriate, for the supervision of students in their charge.

5.3 The University recommends co-supervision, where two or more supervisors may take differing roles and responsibilities depending on their expertise and experience with supervision. The principal supervisor has primary responsibility for coordinating communication between the supervisors and the student. Where a supervisor is inexperienced co-supervision is mandatory.

5.4 In general all members of the academic staff are eligible to become principal supervisors of students for higher degrees if they have at least:

- a degree equivalent to or higher than that being supervised; or
- have previous successful experience in supervision of postgraduate students;

5.5 Members of the academic staff who are themselves students for higher degrees should not normally have major responsibility for students undertaking degrees at the same level. They can be co-supervisors provided there is no conflict of interest with their topic and that of the student.

5.6 Co-supervisors should generally be appointed at the outset of the program, particularly if any lengthy absences of the supervisor are planned or if expertise additional to that provided by the supervisor is required; this could be a staff member or members from the University or from another institution or from industry.

5.7 Any co-supervisor should be involved as soon as practicable in the development of the student's research plan and should maintain a level of communication with the student and the other supervisors to allow adequate supervision whenever necessary.

5.8 In some cases, e.g. where the topic is multi-disciplinary or staff inexperienced, a panel could be formed to advise the student; again, the site of primary responsibility must be made clear.

5.9 The University and its academic units should provide opportunities to assist academic staff in improving their understanding and skill in the supervision of postgraduate students. All staff who supervise or expect to supervise postgraduate students should work to improve their skills by using these opportunities.

6. Leave

6.1 Supervisors should ensure that students have accurate information about any planned, long leave (or retirement) during the candidature and about the arrangements to be made to provide for supervision during absences.

7. Reports

7.1 Written reports from the student and the supervisor are an important and formal means to monitor the progress of the student. Each report should be a frank appraisal of the student's progress by both the supervisor and the student. The annual report is the means by which the University assesses whether the candidature will continue into the following year.

8. Grievance Procedures

8.1 Any problems encountered during the candidature or any disagreements between the student and the supervisor in relation to the annual reporting process or to other matters during the candidature that cannot be easily resolved between the student and the supervisor are to be referred, by either the student or the supervisor, to the Head of Unit, in the first instance (in faculties with units) and then to the Dean or the Chair of the Faculty Research Committee as appropriate.

8.2 if the Head of Unit is also the supervisor then there is a clear conflict of interest and the student may go straight to the Dean or the Chair of the Faculty Research Committee, who may co-opt an independent person from outside the unit.

8.3 at any stage in this process the student may consult the Dean of Students for confidential advice and guidance and may formally request that the Dean of Students negotiates with the Faculty.

8.4 if, after this process, the student is not satisfied with the outcome, the student may refer the matter, in writing, to the Pro-Vice Chancellor Research and ask that the Dean of Students negotiate on his or her behalf.

9. Probation

9.1 If either supervisor or student expresses dissatisfaction in an annual report then the Dean or the Chair of the Faculty Research Committee as appropriate should consult with both parties independently not later than one month after lodgement of the unfavourable report. After such consultation, the Dean or the Chair of the Faculty Research Committee may decide that the matter has been resolved; if the matter is not resolved, the Dean or the Chair of the Faculty Research Committee may recommend a period of probation. If there is a conflict of interest, the Chair of the Faculty Research Committee will substitute for the Dean or vice versa.

9.2. if either the student or supervisor objects to probation then the matter can be referred to a Panel consisting of the Dean or the Chair of the Faculty Research Committee (or nominee), a member of the URC from outside the faculty and the President of the Postgraduate Association (or nominee). This panel will decide whether or not the probation should be imposed.

9.3 if probation is to be imposed the PVC(R) will appoint a senior academic to oversee the supervision process and research progress for a period of not less than three months and not more than one year. At the end of probation, in a report to the PVC(R), the senior academic will make recommendations for addressing any perceived problems.

9.4 possible outcomes from probation include: termination of candidature, change of supervisor or appointment of a panel of supervisors, including members from outside the academic unit.

10. Examination & Examiners

10.1 The examination of theses submitted for higher degrees is undertaken, in the case of Doctoral students, by at least two examiners who are external to the University. For Masters Honours students, at least two examiners are used, no more than one of whom is an internal examiner, the supervisor cannot be an examiner.

10.2 The selection of examiners is of critical importance. In considering examiners, account should be taken of the examiners' understanding and position on the thesis topic and on the methodology employed and their prestige and status in the field.

10.3 Examiners should normally be active in research/scholarship in the relevant area, thus ensuring that their knowledge of the field remains current;

10.4 They should have empathy with the theoretical framework used by the student;
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10.5 They should have proven familiarity with the supervision/examination of research theses;

10.6 The choice of examiners is a process involving both the student and the supervisor. Together they should generate a list of examiners, having regard to the known disciplinary biases of those suggested. The final choice will be finalised from this list by the supervisor and the head of the academic unit. The names of these examiners and their credentials should be submitted to the Faculty Research Committee for appointment;

10.7 Formal invitations to examine the thesis will be issued by the Thesis Examination Committee. Examiners are normally allowed eight weeks to examine the thesis and provide a report to the Thesis Examination Committee.

10.8 If the list of names agreed upon between student and supervisor is exhausted then the student must be consulted in drawing up a new list;

10.9 Examiners should be made familiar with the requirements of the University and the essential parts of the Rules governing the particular degree;

10.10 Students must not contact any examiner until the examination is complete and the report returned to and acted on by the thesis committee;

10.11 The reports from the examiners are considered by the Thesis Examination Committee, after receiving the comments of the Head on the reports. The Thesis Examination Committee determines the outcome of the examination;

10.12 The names of the examiners and copies of the examiner's reports are made available to the student after the Thesis Examination Committee has made its determination.

11. Appeals

11.1 As a result of the complex and special relationship with examiners of research degrees, the University has established a procedure which gives students, in certain circumstances, the right of appeal against the examination and evaluation of their candidature;

11.2 Appeals are permitted on procedural grounds only: appeals by disgruntled students simply rejecting the assessment of the merit of their work are not permitted. Appeals on grounds of inadequacy of supervisory or other arrangements during the period of study, are normally not permitted, unless the student can show that persistent efforts to deal with these issues were not adequately addressed; the grievances procedures outlined above, as well as the possibility of probation, should be used for these matters at the appropriate time during the candidature.

12. Grounds for Appeal

The only grounds normally permitted for an appeal against a decision not to award a postgraduate research degree or not to allow re-submission of a thesis for reexamination, are:

i) procedural irregularities in the conduct of the examination, that may have had an effect on the outcome of the examination;

ii) circumstances affecting the student's performance of which the examiners were not made aware in the supervisor's report;

iii) documentable evidence of prejudice or of bias on the part of one or more of the examiners;

iv) failure to consult the student about the choice of examiner.

13. Procedures

13.1 the appeal must be made by the student to the Pro Vice-Chancellor (Research), in writing, within one month of the decision of the Thesis Examination Committee being made known to the student; the student must set out fully the grounds for the appeal and provide documentary evidence in support of the appeal;

13.2 on receipt of the appeal, the Pro Vice-Chancellor (Research) will, in the first instance, refer the matter to the Thesis Examination Committee for advice on the circumstances of the case and, if appropriate, for reconsideration of its decision in the light of any information provided by the student that was not known to the Thesis Examination Committee at the time it made its original decision. On receipt of the advice from the Thesis Examination Committee, the Pro Vice-Chancellor (Research) will decide whether a case exists, prima facie;

13.3 If the Pro Vice-Chancellor (Research) determines that a case does exist, the appeal, together with the advice received from the Thesis Examination Committee, will be referred to the Council Committee of Appeal (Student Matters) for determination. The Committee will limit itself to considering the matter only on one or more of the three grounds outlined above and will not consider the academic merits of the examination. Unless they are relevant to particular points made in the case put forward by the student, the examiners' reports will not normally be placed before the Committee;

13.4 the Committee may determine that the appeal be dismissed or, if it finds that one of the three grounds for appeal above is satisfied, it will refer the matter back to the Thesis Examination Committee, through the Pro Vice-Chancellor (Research), with a direction that the thesis be re-examined. The Pro Vice-Chancellor will advise the student of the outcome of the appeal.


The University's Policy on Consultancies and Intellectual Property sets out, inter alia, the University's position in relation to intellectual property and ownership of work developed by students in the course of their candidature.

14.1 Ownership

The University will have a proprietary interest in any intellectual property developed by a student in the course of candidature for a degree of the University.

Where intellectual property has been created, all reasonable care must be exercised by the student, the supervisor(s) and the Head not to disclose or use the property in any way that would prejudice its protection.

14.2 Agreement

The onus is on the supervisor to inform the student fully, in writing before enrolment, of any aspects of the research which are likely to result in the generation of intellectual property and/or which is funded by any contractual arrangement(s) and of any restrictions on disclosure or communication with colleagues likely to result from such arrangements;

14.3 If the student agrees to take part in such a project, a written agreement on the conditions of disclosure etc., should be concluded over the signature of the student, principal supervisor and the Head;

14.4 Where patentable intellectual property is generated unexpectedly during the candidature and there is no initial agreement on intellectual property, the student, the principal supervisor and the Head should meet as soon as possible and produce a written understanding on the matter.

15. Access to theses

15.1 Following examination of the thesis and subsequent to any corrections required to the thesis as a result of the examination process, one copy of the thesis will be deposited in the University Library;

15.2 At the time of submission of the thesis, the student will be requested to complete a form to advise the Librarian on access rights to the thesis. Normally, the University expects that free access to all theses deposited in the Library should be permitted, but recognises that in exceptional circumstances, such as

16.1 All other provisions relating to intellectual property and to the role of the Illawarra Technology Corporation Ltd in relation to the assessment of and arrangements for the protection of intellectual property are set out in University's Policy on Consultancy and Intellectual Property, copies of which are available from Heads and from the Office of Research and Postgraduate Studies.

16.2 Agreement should be reached between the student and the supervisor concerning authorship of publications and acknowledgment during and after he candidature. There should be open and mutual recognition of the student's and the supervisor's contribution on all published work contributions on all published work arising from the project.

Appendix A

Checklist 1: First formal Meeting Supervisor(s) and Student
At their initial meeting or within a month after this the student and supervisor should discuss the Code of Practice with particular reference to the sections dealing with the responsibilities of the supervisor(s) and student. Where there is more than one supervisor, the student is notified of particular responsibilities of each supervisor. Student and supervisor(s) then discuss and agree upon or note:

1. the duration, location and timing of future meetings;
2. the structure of future meetings, including which supervisors will attend and the responsibilities of student and supervisor(s) in the event of postponement of meeting;
3. timetabling of and completion and presentation of research proposal; the details of what is required in the thesis proposal and criteria for an acceptable thesis proposal;
4. a broad timetable, taking into account the level of the thesis, the student's timetable for the thesis, any foreseen intervening matters (e.g. major conferences) coursework required and the timetable agreed for completion and criteria of such work;
5. 'remedial' work required and a timetable agreed for completion and criteria of such work;
6. processes for submission of work e.g. whether material should be submitted before meetings;
7. access to equipment, study space, computer/software, access to email and funds, and where and when these are/will be available and likely resource implications;
8. obligations under the University's Annual Reporting system;
9. requirements to attend seminars, and how details of these will be communicated;
10. Intellectual Property Policy, and the consequences of this for the student's research are explained carefully;
11. Human Ethics Policy and its requirements;
12. The question of whether or not to keep a diary of meetings or another method of record keeping;
13. Grievance Procedures Policy;
14. Probation;
15. Normal progress requirements and other University Course Rules and where these are available to the student.

Code of Practice - Research

1. Introduction

The Code of Practice - Research sets out the current policy and best practice relating to procedures for responsible practices in research and dealing with problems of research misconduct. The Code and associated reporting requirements for publication of research results applies to all research undertaken at the University of Wollongong. The Code was compiled in consultation with the University Research Committee and has been endorsed by the Academic Senate. The University of Wollongong acknowledges the guidelines provided by the AVCC and the NH & MRC in the original drafting of this document.

2. The Code

This Code sets out a Code of Conduct for the Responsible Practice of Research. Research and the pursuit of knowledge are vital institutional functions. The broad principles that guide research have long been established. Central to these are the maintenance of high ethical standards, and validity and accuracy in the collection and reporting of data. The responsibility of the research community to the public and to itself is acknowledged.

Communication between collaborators; maintenance and reference to records; presentation and discussion of work at scholarly meetings; publication of results, including the important element of peer refereeing; and the possibility that investigations will be repeated or extended by other researchers, all contribute to the intrinsically self-correcting nature of research.

Competition in research can have a strong and positive influence, enhancing the quality and immediacy of the work produced. However, competitive pressures can act to distort sound research practice, encouraging misconduct such as:

- the fabrication and/or falsification of data, including changing records;
- plagiarism; and
- misleading ascription of authorship.

It may also encourage the premature release of research results before they are adequately validated and the division of reports on substantial bodies of work into multiple small reports to enhance the "publication count" of the author(s).

3. Advice on Integrity in Research

A member of staff or student should in the first instance contact the Pro Vice-Chancellor (Research) if he/she requires confidential advice about what constitutes misconduct in research, the rights and responsibilities of a potential complaint, and the procedures for dealing with allegations of research misconduct within the institution. The University has nominated a group of people who are familiar with the literature and guidelines on research misconduct to be advisers on integrity in research.

4. Code of Conduct for the Responsible Practice of Research

4.1 General Ethical Considerations

- It is a basic assumption of institutions conducting research that their staff members are committed to high standards of professional conduct. Research workers have a duty to ensure that their work enhances the good name of the institution and the profession to which they belong.

- Research workers should only participate in work which conforms to accepted ethical standards and which they are competent to perform. When in doubt they should seek assistance with their research from their colleagues or peers. Debate on, and criticism of, research work are essential parts of the research process.
General Information

- Institutions and research workers have a responsibility to ensure the safety of all those associated with the research. It is also essential that the design of projects takes account of any relevant ethical guidelines.

- If data of a confidential nature are obtained, for example from individual patient records or certain questionnaires, confidentiality must be observed and research workers must not use such information for their own personal advantage or that of a third party. In general, however, research results and methods should be open to scrutiny by colleagues within the institution and, through appropriate publication, by the profession at large.

- Secrecy may be necessary for a limited period in the case of contracted research.

4.2 Specific matters

a) Retention of Data

- Data must be recorded in a durable and appropriately referenced form.

- Wherever possible, a copy of the original data should be retained in the department or research unit in which they were generated.

- There may be cases where retention of original data may be difficult, such as:
  - a large volume of source material; in these cases source material should be clearly referenced in any published material; or
  - data obtained from limited access databases or in a contracted project, in such cases a written indication of the location of the original data or key information regarding the limited access database from which it was extracted must be kept in the department or research unit.

- if at all possible, it is in the interests of all research workers to ensure that original data are safely held for periods of at least five years.

b) Publication

- No unpublished research results should be publicised by others without the agreement of all the researchers concerned.

- Where there is more than one author of a publication, one author (by agreement among the authors) should formally accept overall responsibility for coordinating the submission and revision of the manuscript. Such formal acceptance must be in writing and kept on file in the department or unit of that author together with the names of all other authors.

- The authors of the publication must read the final paper and sign a statement indicating that each of them has met the minimum requirements for authorship - see policy on Authorship - and who is the author taking overall coordinating responsibility for the publication. If, for any reason, one or more co-authors is unable to sign the statement, the head of the research unit or department may sign on his/her behalf, noting the reason for his/her non-availability.

- The coordinating author must keep the signed statement in his/her possession and submit a copy for retention in the department or unit when the work is accepted for publication.

- Where possible, it would be wise for papers submitted for publication to be read by a staff member outside the immediate group. This helps to ensure that the paper readily communicates its findings and major conclusions.

It is, in any event, good practice to encourage discussion between members of different research groups.

- Publication of multiple papers based on the same set(s) or sub-set(s) of data is improper unless there is full cross-referencing (for example, by reference to a preliminary publication at the time of publication of the complete work which grew from it). Simultaneous submission to more than one journal or publisher of material based on the same set(s) or sub-set(s) of data should be disclosed at the time of submission.

c) The Role of Research Supervisors

- Members of the academic staff of the University (other than those who are themselves candidates for higher degrees) who are currently active researchers, who have proven research records and who have previous experience in supervision may be permitted to be sole supervisors of candidates for higher degrees. In the case of newer, less experienced members of staff, a co-supervisor, who will be a more experienced and, generally, more senior member of staff, will also be appointed. Staff whose previous supervisory experience has been less than satisfactory will not be appointed as sole supervisors.

- The ratio of research students/trainees to supervisors should be small enough to ensure effective interaction, as well as effective supervision of the research at all stages.

- As part of the formal Department induction procedures research supervisors should advise each research student/trainee of applicable government and institutional guidelines for the conduct of research, including those ethical requirements for studies on human or animal subjects, and requirements for the use of potentially hazardous agents.

- Research supervisors should be the primary source of guidance to research students/trainees in all matters of sound research practice.

- As far as possible, research supervisors should ensure that the work submitted by research students/trainees is their own and that, where there are data, they are valid.

- Where possible, the head of the research unit should be personally involved in active research supervision and observe the research activities of those for whom he or she is responsible. Professional relationships should be encouraged at all times. In particular, there should be wide discussion of the work of all individuals by their peers.

d) Disclosure of Potential Conflict of Interest

Disclosure of any potential conflict of interest is essential for the responsible conduct of research. The formal written disclosure of such interests will be to: the Pro Vice-Chancellor (Research); the editors of journals to which papers are submitted; and to bodies from which funds are sought.

e) Special needs in different disciplines

In some disciplines there will be special areas which require regulation, for example the handling of hazardous materials. The rules for this activity should form part of the general code of ethics for each discipline.

4.3 Misconduct

Misconduct in research includes:

- the fabrication of data; that is, claiming results where none has been obtained.

- the falsification of data, including changing records.
* plagiarism, including the direct copying of textual material, the use of other people’s data without acknowledgment and the use of ideas from other people without adequate attribution.

* misleading ascription of authorship including the listing of authors without their permission, attributing work to others who have not in fact contributed to the research, and the lack of appropriate acknowledgment of work produced by others involved in the research, such as a research student/trainee or associate.

The list above is not meant to be all inclusive. There may be other misdemeanours. For example, in human or animal experimentation departing from approved protocols accepted by a specific discipline might constitute misconduct. Misconduct does not include honest errors or honest differences in interpretation or judgement of data.

4.4 Procedures for Dealing with Allegations of Misconduct in Research

A working party of the University Research Committee is at present working on an additional section on how to deal with allegations in establishing a prima facie case, as the disciplinary conditions can only come into play after this.

This Code of Conduct for the Responsible Practice of Research aims to ensure a research environment that minimises the incidence of misconduct in research. It is inevitable, however, that there will be some allegations of misconduct. The procedures to cover the situation where allegations of misconduct are made against a staff member at the University of Wollongong are covered in the Management Handbook, under Rules for Staff Discipline.

1 Guidelines for Effective University Teaching, The University Teacher and Effective Teaching Practice, Australian Vice-Chancellor’s Committee, April 1993, Canberra, p.2.
2 ibid, p.2.
3 Senate Resolution 93/47 21 July 1993: that academic staff be required to place on their office doors a notice indicating at least four hours per week, over at least two days, when they will be available for consultation with students without appointments or come to some other arrangement for publishing availability as agreed with the Head of Department.
4 Guidelines for Effective University Teaching, The University Teacher and Effective Teaching Practice, Australian Vice-Chancellor’s Committee, April 1993, Canberra, p.3.
5 Course Rule 010. Assessment, 1996 General Information Calendar, p.57.
FACULTY OF ARTS

Member Units & Affiliated Research Units

RESEARCH UNITS
The Institute of Social Change & Critical Inquiry (ISCCI)
The Centre For Asia-Pacific Transformation Studies (CAPTRANS)

ACADEMIC PROGRAMS
Communication and Cultural Studies
English Studies
History and Politics
Modern Languages
Philosophy
Science and Technology Studies
Sociology

Courses Offered
The Faculty of Arts offers the following postgraduate qualifications:

RESEARCH DEGREES

Doctor of Philosophy

Master of Arts (Honours) by Research
- Communication and Cultural Studies
- English Studies
- History
- International Relations
- Maritime Policy
- Modern Languages (French, Italian, Japanese and Linguistics)
- Philosophy
- Politics
- Science and Technology Studies
- Sociology
- CAPTRANS

Master of Arts (Honours) by Coursework and Research (Post-colonial Literatures)

COURSEWORK DEGREES

Master of Arts by Coursework
- Interdisciplinary Studies
- Master of Arts with discipline specialisation
  - Communication and Cultural Studies
  - English Studies
  - Philosophy
  - Politics
  - Science, Technology and Society
  - Sociology
- Master of Arts, 'Professional Studies'
  - Master of Arts (Applied Ethics)
  - Master of Arts (International Relations)
  - Master of Arts (Maritime Policy)

Master of Policy (Social Policy)

Master of Social Change and Development (CAPTRANS)

Graduate Diploma in Arts
- Modern Languages
- Japanese
- Philosophy
- Science, Technology and Society
- Sociology

Graduate Certificate in Social Change & Development (CAPTRANS)
Course Structures

RESEARCH & POSTGRADUATE STUDY

Web link: http://www.uow.edu.au/arts/postgraduate/

The Faculty of Arts has evolved into a major centre of research and postgraduate study. Research and postgraduate excellence is reflected in successes in national competitive research grant applications (more than $4 million between 1998-99), high quality publications and growing enrolments and completions in postgraduate degrees. The Faculty is internationally regarded for its excellence in Australasian, Southeast Asian and Post-colonial studies. Faculty members collaborate with international and national research bodies and belong to the editorial boards of leading national and international journals.

Faculty research is organised by the Associate Dean Graduate Studies and Research, the Faculty Research Committee, the Board of the Institute of Social Change and Critical Inquiry (ISCCI) and Postgraduate Coordinators in Academic Programs. Administrative support is provided by the Postgraduate Support Officer and the Institute's Administrative Officer.

All postgraduate applications must be approved by the Associate Dean Graduate Studies and Research.

Postgraduate contacts:

Associate Professor Andrew Wells
Associate Dean, Graduate Studies and Research
Chair, Faculty Research Committee
Tel +61 2 4221 3668
Fax +61 2 4221 3179
Email andrew.wells@uow.edu.au

Professor John Bern
Director, Institute of Social Change and Critical Inquiry
Tel +61 2 4221 4838
Fax +61 2 4221 5746
Email john.bern@uow.edu.au
Website: http://www.uow.edu.au/arts/iscci

Postgraduate Support Officer
Ms Robyn Foster
Tel +61 2 4221 3677
Fax +61 2 4221 4471
Email: robyn.foster@uow.edu.au

Current Research Areas

The Faculty's principal research strengths are reflected in the research programs of The Institute of Social Change and Critical Inquiry (ISCCI).

Most of the leading researchers in the Faculty belong to the Institute's interdisciplinary research programs, its affiliated centre The Canadian Australian Studies Centre, or to the Centre for Asia Pacific Transformation Studies (CAPTRANS). Other researchers work independently within academic programs. More information on individuals' research areas can be found on the web-pages of academic programs.

The Institute of Social Change & Critical Inquiry (ISCCI)

The Institute of Social Change & Critical Inquiry was established in 1997 as a foundation Research Institute of the University. It is the principal research unit for the Faculty of Arts and one of six University Research Institutes.

ISCCI carries out internationally recognised research in selected areas of the Humanities and Social Sciences. Our work examines the meanings and locations of social responsibility in social, cultural, communication and political contexts at community, societal and international levels.

ISCCI aims to become a leading national research unit for qualitative social and cultural research focusing on questions of social justice and the complex interactions of freedom, regulation and responsibility.

A key objective is to utilise our growing reputation and expertise in critical policy and social impact research to enhance the position of these areas of research and development, making Wollongong a leading national centre for these specialisations.

The Institute encourages collaboration and interdisciplinary work in its chosen areas and gives priority to developing strategic alliances with both national and international research bodies in these selected areas of recognised excellence.

The major programs and projects of ISCCI are built on inter-disciplinary bases which draw together work in humanities, social sciences and other policy oriented disciplines.

We will develop our objectives over the next triennium through:

* building on our thematic programs and projects, developing further collaboration and encouraging new initiatives and innovation;
* developing business plans, directed at acquiring external funding, forging long term strategic alliances, increasing and focusing regional, national and international research links, and establishing an international reputation for innovative work in both fundamental and applied research;
* attracting increasing numbers of high quality students by directing ISCCI's research training into its areas of strength, having clear and equitable management practices, including infrastructure support and supervision, and providing excellent career opportunities for our graduating scholars;
* supporting outcomes from our research which include the normal indicators of publications, seminars, conferences and scholarly exchanges, and emphasizing applications in policy advice, community relations, consultancies, the development and implementation of targeted postgraduate courses, and collaboration with government in fundamental research and policy development.

The Institute's research is organised through specific projects and into thematic collaborative programs which bring together recognised, experienced researchers, early career researchers and doctoral candidates. Research is supported by University, Australian Research Council and other external funding.
ISCCI currently has five thematic research programs and the University Centre for Canadian Australian Studies.

- **Communication, Language and Policy** explores language and other cultural practices. The group examines the way these practices, values, beliefs, habits and systems of classification are inculcated in populations and how they shape institutions and impact on policy. There are currently two main lines of research:
  - Gender, Communication and Social Change covers the large ARC study of the impact of feminist activism on language, communication and policy and the cultural studies research of men's narratives relating to problems of addiction and depression.
  - Regulation and resistance in relation to new communication technologies is the focus of research by a group with interests in language, science and technology and cultural studies.

**Identity and Cultural Difference** investigates social meanings constructed through textual representations. This group focuses on meanings of identity configured in relation to class, nation, gender, sexuality and postcoloniality.

- Performing post-colonialism is a multidimensional project with seven collaborators investigating the intersections of race, ethnicity, nationality and globalization, with a focus on textiles, trading, literary constructions of nationhood and the international commodification of 'folk' identity.

- Texts and Gender/Sexuality is a project in which the researchers analyse historical and contemporary constructions of gender and sexual identities as mediated through literary texts.

**Labour and Society in the Asia-Pacific** undertakes research from the perspective of labour and workers, combining theoretical investigation with empirical studies, and connecting global trends to specific instances in Asia and the Pacific.

- Subjectivity, Production and Consumption investigates how subjectivities expressed through the categories of class, gender and ethnicity are related to representations and experiences of production and consumption. This research has major implications for understandings of globalization, by demonstrating the articulations between production and consumption, and notions of modernity and identity in the Asia-Pacific region.

- The contest over labour in the Asia-Pacific looks at: 'legal' and 'illegal' unions and 'formal' and 'informal'. The role of international political forces and multi-national corporations are examined in the context of 'contestation'.

**Policy and Ethics: Community and Society** studies issues of critical public policy assessment from different disciplines linking issues from the realms of social, legal, ethical and political theory with a critical understanding of the implications of public policies.

- Indigenous governmentality concerns the relations between the wider, post-colonial state and indigenous nations or communities at the level of state recognition, acknowledgment of cultural pluralism, political autonomy, institutions of indigenous/post-colonial regulation, welfare and negotiation. Policy debates surrounding education, health and social service provision are central to this area. The South East Arnhem Land Collaborative Research Project is a three year project funded by Rio Tinto Ltd. and supported by the local Aboriginal community, to engage in a social impact study prior to any development of mining interests in the region.

- State regulation and social welfare concerns the role of the state and state institutions in the regulation of civil society and the provision of social services. Work focuses on the bases of the public demand for regulation and/or public service provision, the understandings of citizenship, civil life and state responsibility which underlie those demands. Specific areas of research are issues of health, educational policy, "third sector" service provision; court policy and the role of "experts" in public policy development. There are three externally funded research activities: two large ARC projects: "Changing Roles of Community Sector Peak Bodies" and "Citizenship and Reproductive Control - The Ambiguous Status of Women in Ethical and Political Debate", and a federally funded Operations Manual for Research Ethics Committees for the Australian Health Ethics Committee.

**War and State Development** studies the role of warfare and its accompanying effects as a motor of social change at global, regional and local levels.

- The emphasis is on critical examination of the place of warfare in human social development. The central concern is the evaluation of arguments that war is a crucial motor driving historical development and the shape of the State.

The Canadian Australian Studies Centre promotes a significant regional orientation of ISCCI's research which occurs in most of our thematic programs and enhances our existing international collaborations. As a centre within ISCCI it help focus international collaboration with Canada on our core research strengths.

ISCCI membership consists of the active researchers of the University undertaking research and postgraduate training in the core areas outlined above. There are currently 43 Members drawn from four Faculties (Arts, Health and Behavioural Science, Law, Science), though most are academics within the Faculty of Arts. 91 postgraduate research students are supervised by ISCCI members.

**Research Student Training**

ISCCI works in close cooperation with the Faculty of Arts Research Committee, and the two have jointly prepared a Faculty research student training policy.

The process of integrating research students into the program areas of ISCCI commenced, in earnest, in 1998, through the Faculty scholarship award recommendations and beginning to incorporate research students more fully into ISCCI program activities. This process is proceeding with some interesting developments. There is a trend toward more scholarship holders, more students working in areas directly related to ISCCI's programs and more peer interaction across discipline boundaries. These are early trends which will be increasingly apparent as the emphasis on timely completion, increasing scholarship opportunities and recruitment to ISCCI's research strengths are apparent.

The research student management strategy is a joint development of ISCCI and the Faculty of Arts. Comprehensive guidelines have recently been produced for prospective and current postgraduate research students which will standardise management practices for research student training across the Faculty. These include:

- an updated information website coordinated with the University Research Committee;
- development of an information kit to be supplied to all beginning postgraduate students;
- provision of dedicated workspaces, common room and dedicated computer equipment.

Specific activities developed for our research students include:

- a regular seminar series in which both research students and visiting researchers present their work to postgraduates and staff.
Course Structures

* dedicated postgraduate seminar days and plans for 'master classes' for research students using distinguished visitors.

* establishing a pool of funds to supplement the existing University postgraduate allowance, so that postgraduates can realistically afford fieldwork and conference attendance.

* Acquiring industry sponsored scholarships and funding matching scholarships for postgraduate research in areas of research strength.

The ARC Key Centre for Asia Pacific Social Transformation Studies (CAPSTRANS)
Tel: + 61 2 4221 3780
Fax: + 61 2 4228 6313
Email: capstrans@uow.edu.au

CAPSTRANS' aim is to increase our understanding of the complex processes of social and cultural change which are shaping the region in which we live. It examines how globalisation and regional integration are affecting local communities and national societies. Traditional ideas on development, governance and international cooperation need to be revised in the light of the momentous changes of recent years.

CAPSTRANS works closely with scholars, policy-makers and non-governmental organisations in Australia and throughout the region. It plays an important role in research networks linked to international organisations such as the International Labour Organisation, UNESCO, APEC, PECC, the World Trade Organisation, ASEAN, International Organisation for Migration, the Asian Development Bank and The World Bank. CAPSTRANS helps to enhance Australia's role as an international centre for Asia-Pacific studies.

CAPSTRANS provides information, analysis and policy advice to a range of government agencies in countries in the region. It also aims to inform public debates on crucial issues through seminars, publications and information for the media.

CAPSTRANS has four Research Programs:

- Migration and Multicultural Societies Program. The program examines the role of migration in social transformation in the Region. A major focus in the UNESCO-MOST Asia Pacific Migration Research Network (APMRN), which works with partners in 12 countries. The program also incorporates research on migration and multicultural issues in Australia.

- The Labour Relations, Regulation and Organisational Program is concerned with the transformations of production and social relations. It studies the role of the state in attempting to regulate labour, the activities of formal and informal organisations of labour, and their relationship to global forces which affect the organisation and power of labour.

- The Human Resource Development Program examines how globalising forces influence the HRD policies of national and international public and private sector organisations. Important research areas are imbalances between skill requirements and output of education and training institutions, and links between international skill transfers and foreign direct investment.

- The Managing the Production and Diffusion of Knowledge Program analyses the ways that knowledge is produced and diffused in the Asia Pacific region and the implications this has for social transformation and the development of national systems of innovation. The program focuses on the interplay between local cultures, research and higher education institutions, and government policies for technology, innovation and development.

RESEARCH DEGREES

Doctor of Philosophy

Entry Requirements
To enrol in the degree, students need a Bachelor of Arts (or equivalent qualification) with Honours at Class II division ii or higher, or an Honours Master of Arts with a strong performance in the minor or major thesis.

Length of Thesis
The Doctoral Thesis must be a minimum of 80,000 words and no longer than 100,000 words in length. The thesis will be on a topic to be decided by the student in consultation with the appointed supervisor/s.

Time Limits
A full-time candidate should normally complete the Doctorate in three years. We require the candidate to complete in not less than four (4) consecutive sessions, not including Summer sessions, and not more than eight (8) consecutive sessions, not including Summer sessions, from the date of registration. A part-time candidate shall complete the Doctoral Thesis in not less than six (6) consecutive sessions, not including Summer sessions, and not more than twelve (12) consecutive sessions, not including Summer sessions, from the date of registration.

Fields of Study
Students of the Faculty enrol for the PhD in one of the following areas. The specialisation and the student's thesis topic appear on the testamur at Graduation.

Communication and Cultural Studies (students enrol in the 48 credit point subject CCS 999 Major thesis)

English Studies (students enrol in the 48 credit point subject ENGL999 Major thesis)

French (students enrol in the 48 credit point subject FREN975 Major Thesis)

History (students enrol in the 48 credit point subject HIST973 Major Thesis)

International Relations (students enrol in the 48 credit point subject INTR970 Major Thesis)

Italian (students enrol in the 48 credit point subject ITAL975 Major Thesis)

Japanese (students enrol in the 48 credit point subject JAPA975 Major Thesis)

Linguistics (students enrol in the 48 credit point subject LANG903 Major Thesis)

Maritime Policy (students enrol in the 48 credit point subject MPOL970 Major Thesis in Maritime Policy)

Philosophy (students enrol in the 48 credit point subject PHIL999 Major Thesis)

Politics (students enrol in the 48 credit point subject POL 951 Major Thesis)

Science and Technology Studies (students enrol in the 48 credit point subject STS 924 Major Thesis)

Sociology (students enrol in the 48 credit point subject SOC 999 Major Thesis)

Social Change and Development (CAPSTRANS). CAPSTRANS students enrol in the degree under one of the above subjects, depending on the field of study.
Master of Arts (Honours) by Research

Entry to the Degree

Entry to the degree is normally from the BA Honours. Students having a degree with Class II division ii or higher will normally be accepted into the Honours Master program.

Time Limits

A full-time candidate will normally complete the Honours Master degree in one year. We require it to be completed in not less than two consecutive sessions, not including Summer sessions, from the date of registration. A part-time candidate shall complete the Honours Master thesis in not less than three consecutive sessions, not including Summer sessions and not more than eight consecutive sessions, not including Summer sessions, from the date of registration.

Length of Thesis

The Honours Masters thesis shall be approximately 50,000 words in length.

Fields of Study

Students of the Faculty enrol for the MA (Honours) in one of the following areas. The specialisation appears on the testamur at Graduation.

- Communication and Cultural Studies (students enrol in the 48 credit point subject CCS 999 Major thesis)
- English Studies (students enrol in the 48 credit point subject ENGL 999 Major Thesis)
- French (students enrol in the 48 credit point subject FRAN 975 Major Thesis)
- History (students enrol in the 48 credit point subject HIST 973 Major Thesis)
- International Relations (students enrol in the 48 credit point subject INTR 970 Major Thesis)
- Italian (students enrol in the 48 credit point subject ITAL 975 Major Thesis)
- Japanese (students enrol in the 48 credit point subject JAPA 975 Major Thesis)
- Linguistics (students enrol in the 48 credit point subject LANG 903 Major Thesis)
- Maritime Policy (students enrol in the 48 credit point subject MPOL 970 Major Thesis in Maritime Policy)
- Philosophy (students enrol in the 48 credit point subject PHI 977 Major Thesis)
- Politics (students enrol in the 48 credit point subject POL 951 Major Thesis)
- Science and Technology Studies (students enrol in the 48 credit point subject STS 924 Major Thesis)
- Sociology (students enrol in the 48 credit point subject SOC 999 Major Thesis)
- Social Change and Development (CAPSTRANS). CAPSTRANS students enrol in the degree under one of the above subjects, depending on the field of study.

Honours Master of Arts by Coursework & Minor Thesis (Post-Colonial Literatures)

The area of focus for studies will be critical approaches to the literature in English appearing from a history of colonial presence in various nations, mostly (but not entirely) belonging to the British Commonwealth. Once regarded as peripheral and culturally derivative, this writing has produced some of the modern greats of English literature - V.S. Naipaul, Margaret Atwood, Patrick White, Salman Rushdie, Nadine Gordimer, Derek Walcott and, of course, writers from that other former colony, the United States. The program of study will consider those complex interactions of culture, politics and aesthetics common to the whole field and particular to each of its regions.

Entry to the Degree

Honours graduates with a grade of at least Class II, Division 2 in an appropriate area will undertake a 48 credit point course made up of two optional subjects (16cp) and a 30,000-word (32cp) thesis.

Time Limits

The duration of the course will be two sessions (full-time) not including Summer Session, or four sessions for part-time students.

Please Note:

Students interested in Post-Colonial Literatures may undertake a research only program by enrolling in ENGL 999 and completing an Honours Master of Arts. See the course requirements for Honours Master of Arts by Research (English Studies) for further details.

Schedule of Subjects

Compulsory Subject

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>ENGL9594</td>
<td>Dissertation (30,000 Words)</td>
<td>32</td>
</tr>
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</table>

Optional Subjects (students select two from the list below)

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
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<td>ENGL903</td>
<td>Contemporary Literary Issues</td>
<td>8</td>
</tr>
<tr>
<td>ENGL918</td>
<td>Special Topic</td>
<td>8</td>
</tr>
<tr>
<td>ENGL923</td>
<td>Indigenous Literature in Canada, New Zealand and Australia</td>
<td>8</td>
</tr>
</tbody>
</table>

Coursework Degrees

Master of Arts by Coursework

The Master of Arts allows students to further their knowledge and skills in the humanities and social sciences. Students will be able to select a course with flexible content - either an interdisciplinary or selected discipline based specialisation, learn generic arts skills (especially comprehension and communicating), and develop their research-based language skills.

Entry to the Degree

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

Time Limits

The course takes one year of full-time study or two years for part-time students.

Please Note:

Because all subjects require assumed knowledge of the relevant discipline or studies area, students will need to discuss their program with the course coordinator, Associate Dean (Graduate Studies and Research).
Course Structures

Degree Program
Students normally take one of the following paths of study to complete the degree:

Interdisciplinary Studies
A combination of six of the subjects listed below (48 credit points) will enable a student to graduate in a general Master of Arts degree. This option caters for students who do not have a specialist area, but who wish to continue to study a range of Arts subjects.

Discipline Specialisation
A combination of six of the subjects listed below with a minimum of three (ie 24 credit points) in a single disciplinary or studies area will enable a student to graduate in a Master of Arts in a specified disciplinary or studies area. Two disciplines may be undertaken by combining three subjects from each of two disciplinary or studies areas.

The areas of specialisation currently available are:
- Communication and Cultural Studies
- English Studies (including Postcolonial literatures)
- Philosophy
- Politics
- Science, Technology and Society
- Sociology

Where there is one specialisation, the remaining 24 credit points are chosen from any other subjects in the schedule, which also includes History and English Language Studies.

Schedule of Subjects

Communication and Cultural Studies
- CCS 951 Regulating Culture: Policy Language and Control
- CCS 966 Special Topic
- CCS 991 Communications in Culture (not available in 2001)

English Studies
- ENGL 903 Contemporary Literary Issues
- ENGL 913 Literature, Memory and Forgetting
- ENGL 918 Special Topic
- ENGL 923 Indigenous Literatures in Canada, New Zealand and Australia (not available in 2001)

History
- HIST 904 Themes in History
- HIST 951 Philosophy of History

Modern Languages
- ELS 901 English for Postgraduate Studies (Arts)

Philosophy
- PHIL 923 Applied Ethics
- PHIL 955 Theoretical Ethics
- PHIL 990 Contemporary Philosophical Issues

Politics
- POL 902 Advanced Topics in Politics
- POL 914 Political Theory: New Departures for a New Millennium
- POL 922 Comparative Politics
- POL 931 Comparative Politics in a New Moral Order
- POL 941 Politics of Developing and Lesser Developed Countries

Science, Technology & Society
- STS 901 Theory and Method in Science and Technology Studies
- STS 902 Advanced Topics in Science and Technology
- STS 921 The Dynamics of Science and Technology
- STS 929 Resource and Environmental

Sociology
- SOC 904 Policy and Program Evaluation
- SOC 921 Advanced Studies in Sociology
- SOC 933 Advanced Research Techniques
- SOC 940 Social Policy and Theory
- SOC 942 Advanced Race and Ethnic Studies

Master of Arts (Applied Ethics)
The course aims to provide professionals and others who have a general interest in applied ethics with a philosophical education in one or more areas of applied ethics. Applied areas on offer in 2000 (subject to enrolments) are: Bioethics, Ethical Issues in Research, Applied Ethics Topics and Environmental Ethics.

It has become increasingly obvious with the proliferation of ethics committees and the demand for public accountability that health care professionals, public policy makers, lawyers, public servants, business people, scientists, researchers, and so on, are required to make well-reasoned, informed judgements about issues that are essentially ethical. Such judgements require philosophical expertise - one needs to be able to recognise the factual and evaluative complexity of the issues, to recognise evaluative issues as evaluative, critically to evaluate competing ethical claims, and to reason to a conclusion soundly. Yet the development of such expertise is typically not included in the professional training of people who are called to act as ethical decision-makers. The Master of Arts (Applied Ethics) helps make good this lack.
It would be expected that students undertaking the course would benefit at least in the following ways. First, they would sharpen their critical reasoning skills. Second, they would gain a good grounding in ethical theory and a comprehensive understanding of the specific issues in their chosen applied area. Third, they would enhance their ability to make difficult, ethically sensitive decisions.

The Master of Arts (Applied Ethics) is a course in applied philosophy, in which ethical theory, as studied in a core subject (PHIL.955 - Theoretical Ethics) is applied to various areas of practical concern. The course may be co-taught by members of the Philosophy Program and lecturers from the Faculties of Law and Health and Behavioural Sciences.

**Entry to the Degree**

Candidature is open to holders of a Bachelor's degree (pass or honours) in any field or others who satisfy the Board of Research and Postgraduate Studies of comparable professional standing or attainments.

**Degree Program**

The Degree is available by Coursework and Minor Thesis. Candidates shall successfully complete a program of 48 credit points, normally comprising a minor thesis (24 credit points) in applied ethics, together with the two 8 credit point core subjects and one 8 credit point elective.

Candidates who have done the undergraduate subject PHIL.206, or equivalent, are required to take one core subject PHIL.955 and two electives. Candidates who have done the undergraduate subject PHIL.251/301, or equivalent, are required to take one core subject PHIL.935 and two electives.

**Schedule of Subjects**

### Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL.935</td>
<td>Applied Ethics</td>
<td>8</td>
</tr>
<tr>
<td>PHIL.955</td>
<td>Theoretical Ethics</td>
<td>8</td>
</tr>
<tr>
<td>PHIL.923</td>
<td>Minor Thesis</td>
<td>24</td>
</tr>
</tbody>
</table>

### Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL.965</td>
<td>Bioethics</td>
<td>8</td>
</tr>
<tr>
<td>PHIL.976</td>
<td>Ethical Issues in Research</td>
<td>8</td>
</tr>
<tr>
<td>PHIL.986</td>
<td>Applied Ethics Topics</td>
<td>8</td>
</tr>
<tr>
<td>PHIL.995</td>
<td>Environmental Ethics</td>
<td>8</td>
</tr>
</tbody>
</table>

**Master of Arts (International Relations)**

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

The program is multi-disciplinary in nature, focusing on international politics, economics, management, and law and diplomatic practice, in particular, but allowing both for specialisation within the program as well as for the inclusion of area studies, and other relevant subjects, in accordance with students’ needs.

Students take part in regular simulations and professional seminars, workshops, exchanges with other institutions, including relevant Government agencies, and, where possible, professional placements. Special classes are provided in computing and (where appropriate) English language, study, analytical, public speaking and other skills. A special centre (with computing, video and short-wave radio facilities, plus a range of pertinent periodicals) has been set aside for use by students in the program.

**Entry to the Degree**

Students normally have a Bachelor's degree with a minor sequence in the area studied.

**Degree Program**

Students must complete 48 credit points from the following list of subjects (or such greater number as may be required in individual cases). Except with the permission of the Head of Program, students are required to complete the following four core subjects in order to graduate in the program.

### Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTR.905</td>
<td>Case Studies in Diplomacy</td>
<td>8</td>
</tr>
<tr>
<td>INTR.910</td>
<td>Politics of International Relations</td>
<td>8</td>
</tr>
<tr>
<td>INTR.920</td>
<td>Advanced International Economic Relations</td>
<td>8</td>
</tr>
<tr>
<td>INTR.931</td>
<td>Public Policy</td>
<td>8</td>
</tr>
</tbody>
</table>

### Electives*

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTR.911</td>
<td>Politics in the South Pacific</td>
<td>8</td>
</tr>
<tr>
<td>INTR.912</td>
<td>Pacific Rim and Pacific Basin</td>
<td>8</td>
</tr>
<tr>
<td>INTR.921</td>
<td>Advanced International Economics</td>
<td>8</td>
</tr>
<tr>
<td>INTR.922</td>
<td>Advanced Topics in Economics</td>
<td>8</td>
</tr>
<tr>
<td>INTR.932</td>
<td>Selected Topics in Management</td>
<td>8</td>
</tr>
<tr>
<td>INTR.940</td>
<td>Case Study in International Politics A</td>
<td>8</td>
</tr>
<tr>
<td>INTR.941</td>
<td>Case Studies in international Politics B</td>
<td>8</td>
</tr>
<tr>
<td>INTR.957</td>
<td>Post-War Economic and Social Development of Southeast Asia</td>
<td>8</td>
</tr>
<tr>
<td>INTR.958</td>
<td>Selected Topics on Post-war Developments in Southeast Asia</td>
<td>8</td>
</tr>
<tr>
<td>INTR.960</td>
<td>Research Project in International Relations</td>
<td>16</td>
</tr>
<tr>
<td>INTR.961</td>
<td>Research Project in International Relations</td>
<td>16</td>
</tr>
</tbody>
</table>

*Not all of these subjects are available each year - refer to History and Politics Program before enrolment. Students may, with the permission of the Course Co-ordinator, apply to enrol in other Postgraduate subjects.

Please contact the History and Politics program before enrolment.
Course Structures

**Master of Arts (Maritime Policy)**

This degree may be undertaken through distance education study.

This degree is intended to enable groups of varying academic and professional backgrounds to develop their knowledge and analytical skills in relation to a wide range of maritime policy issues, broadly defined. The program is expected to be especially useful to prospective government officials, analysts and other practitioners engaged in maritime and related activities, including the Navy, commercial shipping, port management, fisheries and marine environmental protection.

**Entry to the Degree**

Students entering the program will normally be required to have a pass Bachelor with a major in a relevant discipline (ie 48 credit points, or equivalent, in a major sequence). In special cases, the Faculty may vary the entry requirements, if satisfied that an applicant's qualifications are adequate preparation for advanced study.

**Degree Program**

The program consists of an interdisciplinary core of two compulsory subjects, plus a range of options which allow students to specialise in particular disciplines, and to acquire a broader acquaintance with the field as a whole. The duration of the course is one year of full-time study or equivalent for part-time students.

In addition to formal course requirements, students take part in a variety of other professional activities, including specialist seminars.

**Core**

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPOL901</td>
<td>National Dimensions of Maritime Policy</td>
<td>8</td>
</tr>
<tr>
<td>MPOL902</td>
<td>International Issues in Maritime Policy</td>
<td>8</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPOL911</td>
<td>Maritime Transport I: International Shipping</td>
<td>8</td>
</tr>
<tr>
<td>MPOL912</td>
<td>Maritime Transport II: Port Development</td>
<td>8</td>
</tr>
<tr>
<td>MPOL920</td>
<td>Marine Environmental Management</td>
<td>8</td>
</tr>
<tr>
<td>MPOL921</td>
<td>Marine Environmental Planning</td>
<td>8</td>
</tr>
<tr>
<td>MPOL931</td>
<td>International Maritime Environmental Law</td>
<td>8</td>
</tr>
<tr>
<td>MPOL932</td>
<td>The Law of the Sea</td>
<td>8</td>
</tr>
<tr>
<td>MPOL941</td>
<td>History and Politics of Sea Power</td>
<td>8</td>
</tr>
<tr>
<td>MPOL951</td>
<td>Selected Topics in Maritime Policy (1)</td>
<td>8</td>
</tr>
<tr>
<td>MPOL952</td>
<td>Selected Topics in Maritime Policy (2)</td>
<td>8</td>
</tr>
<tr>
<td>MPOL960</td>
<td>Research Project in Maritime Policy</td>
<td>16</td>
</tr>
<tr>
<td>MPOL961</td>
<td>Research Project in Maritime Policy</td>
<td>16</td>
</tr>
</tbody>
</table>

Students may, with the permission of the Course Co-ordinator, apply to enrol in other Postgraduate subjects. *Not all of these subjects may be available each year - refer to Department of History and Politics before enrolment.

**Master of Policy (Social Policy)**

The objective of the Master of Policy is to allow pass graduates in Arts with other approved areas of study or experience, to pursue advanced studies in theoretical and practical aspects of contemporary Australian social policy. The tightly structured program will prepare students for work in corporations, government or voluntary organisations, or in policy related areas. Students shall be admitted under the Rules covering the Masters Degree, with the additional qualifications below.

**Entry to the Degree**

Normal entry requires a pass Bachelor with a major study in a relevant field.

**Degree Program**

Students are required to complete successfully an approved program of study of 48 credit points drawn from the list below. Students shall not include in their program subjects substantially similar to those already completed as part of their previous undergraduate or graduate studies. Students shall discuss their proposed program with the Co-ordinator of the Master of Policy (Social Policy) prior to enrolment.

Students may be required to undertake additional work as a pre-requisite for subjects included in the Schedule below. The Master of Policy shall be available as a part-time and full-time program. Full-time students are expected to complete the degree in two academic sessions, part-time students in not less than three and not more than six academic sessions.

**Core**

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC904</td>
<td>Policy and Program Evaluation</td>
<td>8</td>
</tr>
<tr>
<td>SOC933</td>
<td>Advanced Research Techniques</td>
<td>8</td>
</tr>
<tr>
<td>SOC940</td>
<td>Social Policy and Theory</td>
<td>8</td>
</tr>
</tbody>
</table>

**Electives**

at least three of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC905</td>
<td>Social Policy Research Project</td>
<td>8</td>
</tr>
<tr>
<td>SOC918</td>
<td>Advanced Sociology of Development</td>
<td>8</td>
</tr>
<tr>
<td>SOC921</td>
<td>Advanced Studies in Sociology</td>
<td>8</td>
</tr>
<tr>
<td>SOC924</td>
<td>Advanced Studies in Time, Work &amp; Leisure</td>
<td>8</td>
</tr>
<tr>
<td>SOC942</td>
<td>Advanced Race and Ethnic Studies</td>
<td>8</td>
</tr>
<tr>
<td>SOC943</td>
<td>Advanced Urban Society</td>
<td>8</td>
</tr>
<tr>
<td>SOC949</td>
<td>Advanced Social Regulation, Policies and Issues</td>
<td>8</td>
</tr>
<tr>
<td>SOC959</td>
<td>Advanced Sociology of Gender Relations</td>
<td>8</td>
</tr>
<tr>
<td>SOC952</td>
<td>Nationalism and Minorities in the Asia-Pacific Region</td>
<td>8</td>
</tr>
<tr>
<td>SOC970</td>
<td>Advanced Social Movements</td>
<td>8</td>
</tr>
<tr>
<td>LAW960</td>
<td>Law for Professionals</td>
<td>8</td>
</tr>
</tbody>
</table>
Master of Social Change & Development (CAPSTRANS)

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

CAPSTRANS' postgraduate teaching program complements the Centre's research programs so that all courses are informed by the most recent high quality research. Students are offered the opportunity to study in a research and teaching centre with extensive international networks staffed by some of the best scholars in their respective fields.

On-campus study is possible at the University of Wollongong or University of Newcastle, while flexible delivery modes and delivery at Asia partner Universities are currently being developed.

Entry to the Degree

Students normally have a Bachelor's degree with a minor sequence in the area studied.

Subjects Offered

Masters of Social Change and Development students will complete eight subjects -

Four Core Subjects (students take all four subjects)

- CAPS901 Social Change and Development 6
- CAPS902 Issues in Developing Economies 6
- CAPS904 Social Program Evaluation and Planning 6
- CAPS933 Social Science Research Methods 6

Specialisation Subjects*

- CAPS903 Migration and Multicultural Societies 6
- CAPS905 Labour Relations, Regulation and Organisation 6
- CAPS906 Human Resources in Developing Countries 6
- CAPS907 Managing the Production and Diffusion of Knowledge 6

*the two Specialisation subjects may be replaced by the following subject:
- CAPS934 Research project in social Change and Development 12

Graduate Diploma in Arts (Japanese)

The Graduate Diploma in Arts (Japanese) is a twelve-moth, 48 credit point, Japanese language program, commencing in April 2001.

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

Minimum requirement for entry: a degree at Bachelor level, preferably in Japanese language. (This degree is not intended for students whose first language is Japanese).

Students accepted for entry into the Graduate Diploma in Arts (Japanese) take the following subject:
- JAPA550 Japanese Studies Abroad 48

Graduate Diploma in Arts (Modern Languages)

The purpose of the Graduate Diploma in Arts is to provide, in a recognised university course, a means for graduates with limited acquaintance with European or Asian languages, thought and culture to acquire competence in these areas at a reasonably advanced level.

Students are required to complete 28 credit points from Undergraduate Arts Course Structures under Languages. The remaining 20 credit points may be chosen from subjects listed under Modern Languages or other Programs in the Arts Course Structures. These will be approved by the Head of Modern Languages Program.

Graduate Diploma in Arts (Science, Technology and Society)

The aim of this course is to enable graduates with a limited acquaintance with the history and philosophy of science and technology or the role of science and technology in contemporary society, to acquire an understanding of these subjects to a reasonably advanced level.

Entry to the Course

Candidates will normally have a Bachelor's degree. Admission to candidature for the Graduate Diploma is on recommendation of the Associate Dean, Graduate Studies and Research in consultation with the Head of the Head of the Science, Technology and Society Program.

Course Program

The Graduate Diploma shall be subject to the Course Rules for the Award of Graduate Diplomas together with the following conditions: candidates are required to complete subjects totalling 48 credit points from those listed in the Undergraduate Arts Course Structures under Science, Technology and Society. Of these at least 24 must be from 300-level subjects and the remainder from 200-level subjects. Subject to the joint approval of the Head of the Science, Technology and Society Program and the Head of the other program concerned, 12 credit points may be taken from suitable subjects listed in the Arts Course Structures under other Programs; a candidate may not include in his or her graduate diploma program any course component which substantially duplicates a subject or part of a subject previously passed by the candidate as part of any degree or diploma already held or previously attempted; the selection of courses and the program of study shall be approved by the Associate Dean, Graduate Studies and Research in consultation with the Head of Program.

Duration of the Course

A full-time candidate shall normally complete the diploma in one academic year, a part-time candidate in no less than two and no more than three academic years.
Course Structures

Graduate Diploma in Arts (Sociology)

The purpose of the Graduate Diploma in Arts is to provide graduates who have a limited knowledge of Sociology a means of acquiring a sociological competence at a reasonably advanced level. The Head of Program will advise intending students on which course structure is most appropriate to their interests.

Entry to the Course

Candidates will normally have a Bachelor's degree. Admission to candidature for the Graduate Diploma is on recommendation of the Associate Dean, Graduate Studies and Research in consultation with the Head of the Sociology Program who shall assess the applicant's aptitude for sustained sociological study at a reasonably advanced level.

Course Program

The Graduate Diploma will be subject to the Course Rules for the award of Graduate Diplomas together with the following conditions: candidates are required to complete subjects totalling 48 credit points from those listed in the undergraduate Arts Course Structures under 'Sociology'. Of the 48 credit points, at least 24 must be from 300-level subjects and the remainder from 200-level subjects; a candidate may not include in his or her Graduate Diploma program any course component which substantially duplicates a subject or part of a subject previously passed by the candidate as part of any degree or diploma already held or previously attempted. The selection of subjects and the program of study shall be approved by the Head of Program.

Duration of the Course

A full-time candidate shall normally complete the diploma in one academic year, a part-time candidate in no less than two and no more than three academic years.

Graduate Certificate in Social Change & Development (CAPTRANS)

This Graduate Certificate (24 credit point by coursework) is designed to provide students with the knowledge and skills to understand the processes of social change and development, and to improve their problem solving skills and effectiveness as administrators, researchers, development planners, educators, or managers. The course combines theoretical perspectives with empirical studies and policy-oriented perspectives.

The post graduate teaching program complements the Centre's research programs so that all courses are informed by the most recent high quality research. Students are offered the opportunity to study in a research and teaching centre with extensive international networks staffed by some of the best scholars in their respective fields.

On-campus study is possible at the University of Wollongong or University of Newcastle, while flexible delivery modes and delivery at Asia partner Universities are currently being developed.

Entry to the Degree

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

Subjects Offered

Graduate Certificate in Social Change and Development students will complete four subjects:

Core Subjects (students select two subjects)

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Name</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPS901</td>
<td>Social Change and Development</td>
<td>6</td>
</tr>
<tr>
<td>CAPS902</td>
<td>Issues in Developing Economics</td>
<td>6</td>
</tr>
<tr>
<td>CAPS904</td>
<td>Social Program Evaluation and Planning</td>
<td>6</td>
</tr>
<tr>
<td>CAPS933</td>
<td>Social Science Research Methods</td>
<td>6</td>
</tr>
</tbody>
</table>

Specialisation Subjects (students select two subjects)

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Name</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPS903</td>
<td>Migration and Multicultural Societies</td>
<td>6</td>
</tr>
<tr>
<td>CAPS905</td>
<td>Labour Relations, Regulation and Organisation</td>
<td>6</td>
</tr>
<tr>
<td>CAPS906</td>
<td>Human Resources in Developing Countries</td>
<td>6</td>
</tr>
<tr>
<td>CAPS907</td>
<td>Managing the Production and Diffusion of Knowledge</td>
<td>6</td>
</tr>
</tbody>
</table>

*the two Specialisation subjects may be replaced by the following subject:

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Name</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPS934</td>
<td>Research project in social Change and Development</td>
<td>12</td>
</tr>
</tbody>
</table>

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ARTS SUBJECTS

CCS 951 Regulating Culture: Policy, Language and Control  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: essay 40%, case study 60%
Subject Description: This subject will examine the regulation of cultural production as a process of contestation between government cultural policy, economic regulation and community ethical codes. This investigation will be conducted within the context of Cultural Policy Studies, which emphasises the critical study of institutional practice; regulatory practices such as censorship and language control will therefore be considered as a combination of institutional strategies of meaning production.
Subject Objectives: n/a
Additional Information: n/a
Text books: Cunningham, S., 1992, Framing Culture: Criticism and Policy in Australia
Session  contact  campus  delivery  hours  method
Autumn  3 hrs S  Wollongong  On Campus

CCS 966 Special Topic  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Assignments to be negotiated with Subject Co-ordinator in the first week of session.
Subject Description: Directed reading, research and other investigative activities at an advanced level in a field of study selected by the student in consultation with the co-ordinator of Postgraduate Studies in Communication and Cultural Studies and approved by the Head of Program.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session  contact  campus  delivery  hours  method
Spring  3hrs seminar  Wollongong  On Campus
Autumn  3hrs seminar  Wollongong  On Campus

CCS 991 Communications in Culture  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Text books: Course Reader
Session  contact  campus  delivery  hours  method
n/a

CCS 999 Major Thesis  48 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: As appropriate for MA(hons) or PhD degrees
Subject Description: This subject will enable students to undertake the production of an MA(hons) thesis or a Doctoral Dissertation in Communication and Cultural Studies.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session  contact  campus  delivery  hours  method
Annual  consultation  Wollongong  On Campus
as req
ELS 990 English for Postgraduate Studies  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Oral explanation, presentation (20%), 2 Essays (500-800 words each): a discussion; a report (40%), Examination #1: a take-home reading and note-taking exercise; Examination #2: a one hour essay-writing exercise in class time (20%), Portfolio (collected study notes) & Participation (20%)
Subject Description: This subject provides an overview of the kind of English used in the academic context, particularly in postgraduate Studies. It is designed for Non-English Speaking Background students who want an induction into writing and speaking for Postgraduate studies. This subject aims to identify and discuss important issues related to the culture of postgraduate education; to develop academic skills relevant to postgraduate studies and thesis writing. Students will develop a critical and analytical approach to research and learning, an understanding of how the grammatical resources of English are used for different purposes in postgraduate studies; and expertise and confidence in using a range of resources for learning.
Subject Objectives: On completion of this subject, you should be able to demonstrate: 1. a range of research skills using English texts 2. a range of listening, speaking, reading and writing strategies to enhance research and thesis writing 3. note-taking and planning skills appropriate to a range of writing purposes 4. the ability to identify and use key language resources used in English for postgraduate studies 5. the ability to identify and use different text types commonly used in PG studies: exposition, discussion, explanation, account and report. 6. the ability to plan and present a spoken presentation related to individual research topics 7. the ability to plan, draft and present effective essays at postgraduate level
Additional Information: n/a
Text books: The textbook will be an English Language Studies Subject Reader available from the UniCentre Bookshop.
Session  contact  campus  delivery  hours  method
Spring  3 hrs (1 hr lecture, 1 X 2hr tutorial)
ELS 991 English for Postgraduate Studies (Arts)  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Oral explanation, presentation (20%), 2 Essays (500-800 words each): a discussion; a report (40%), Examination #1: a take-home reading and note-taking exercise; Examination #2: a one hour essay-writing exercise in class time (20%), Portfolio (collected study notes) & Participation (20%)
Subject Description: This subject provides an overview of the kind of English used in the academic context, particularly in postgraduate Studies. It is designed for Non-English Speaking Background students
<table>
<thead>
<tr>
<th>Subject Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>who want an induction into writing and speaking for Postgraduate studies. This subject aims to identify and discuss important issues related to the culture of postgraduate education; to develop academic skills relevant to postgraduate studies and thesis writing. Students will develop a critical and analytical approach to research and learning, an understanding of how the grammatical resources of English are used for different purposes in postgraduate studies; and expertise and confidence in using a range of resources for learning.</td>
</tr>
</tbody>
</table>

**Subject Objectives:** On completion of this subject, you should be able to:
1. understand approaches to research using English texts.
2. understand the role of writing, speaking, reading and writing strategies to enhance research and thesis writing.
3. engage in note-taking and planning skills appropriate to a range of writing purposes.
4. the ability to identify and use key language resources used in English for postgraduate studies.
5. the ability to develop a research proposal.
6. the ability to plan and present a spoken presentation related to individual research topics.
7. the ability to plan, draft and present effective essays at postgraduate level.

**Additional Information:** n/a

**Textbooks:** The textbook will be an English Language Studies Subject Reader available from the UniCentre Bookshop.

### ENGL903 Contemporary Literary Issues 8 cp

<table>
<thead>
<tr>
<th>Session</th>
<th>contact</th>
<th>campus</th>
<th>delivery</th>
<th>method</th>
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</thead>
<tbody>
<tr>
<td>Spring</td>
<td>3 hrs (1 hr lecture, 2 hrs tutorial)</td>
<td>Wollongong</td>
<td>On Campus</td>
<td></td>
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</table>

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** 3 essays - 33%; 33% and 34%

**Subject Description:** A survey of relationships between culture, politics and literary constructions; the connection between British and other literatures in English; the question of 'universal' standards; nationalism and aesthetics; the formation of a field of study. Discussion will be based on selected critical readings.

**Subject Objectives:** n/a

**Additional Information:** Subject offered in Master of Arts

**Textbooks:** n/a

### ENGL904 Dissertation 32 cp

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<tbody>
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<td>3 hr seminar</td>
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<td>On Campus</td>
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</tbody>
</table>

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** n/a

**Subject Description:** This subject involves the writing of a dissertation of 30,000 words on a research topic to be determined in consultation with the supervisor.

**Subject Objectives:** n/a

**Additional Information:** Students must choose a further 2 subjects (16 cp) from the list of Optional subjects as shown in the Postgraduate Course Structures. ENGL904 Dissertation is undertaken in conjunction with these subjects to complete the requirements for the Honours Master of Arts by Research in Post-colonial Literatures. For further information contact Dr Paul Sharrad, Postgraduate Coordinator for English Studies.

**Textbooks:** n/a

### ENGL913 Literature, Memory and Forgetting 8 cp

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<td>3 hr seminar</td>
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<td>On Campus</td>
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</table>

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** Main essay; seminar presentation; journal; and class participation

**Subject Description:** This thematic subject examines the role of memory in the creation of literature, and the role of literature in the creation of both personal and cultural memory. Beginning with a consideration of the notion of writing as a form of memory, it goes on to examine such issues as memory and history, memory and identity, memory and national mythologies, amnesia in fiction, and futuristic memories. This subject will examine a historically and culturally diverse range of texts, although emphasis will be on more recent writings. The subject also introduces students to a range of theoretical and historical perspectives on memory and writing, such as those offered by poststructuralist, feminist, and postcolonial theorists. Visual materials will also be used, including images from medieval manuscripts, artworks, and video footage.

**Subject Objectives:** n/a

**Additional Information:** Subject offered in Master of Arts

**Textbooks:** n/a

### ENGL918 Special Topic 8 cp

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<td>On Campus</td>
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**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** Must have approval from Head of Program
**Exclusions:** n/a
**Assessment:** n/a

**Subject Description:** Directed reading, research and other investigative activities at an advanced level in a field of study selected by the student in consultation with the English Studies Postgraduate Coordinator and approval prior to enrolling from the Head of Program

**Subject Objectives:** n/a

**Additional Information:** On offer either Autumn or Spring session - refer to Head of Program

**Textbooks:** n/a

### ENGL923 Indigenous Literatures in Canada, New Zealand and Australia 8 cp

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**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** n/a

**Subject Description:** This subject will study indigenous writing and theory in the context of world movements, though it will focus on Canada, New Zealand and Australia. The subject will centre on identity politics, on the appropriation of voice debate, and on the question of what constitutes the 'literary'. The course will interrogate a range of post-colonial practices, as articulated by indigenous theorists and guest speakers.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Textbooks:** n/a
ENGL999 Major Thesis 48 cp
Pre-requisites: Entry to the Master of Arts (Honours) or PhD in English Studies.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Students enrolled in either the Honours Master of Arts by Research (English Studies) or the PhD in English Studies enrol in ENGL999 (Major Thesis). In the case of the MA (Honours) by Research the thesis must be at least 50,000 words long, and in the case of the PhD, the minimum length is 80,000 words. The thesis topic must be chosen in consultation with a supervisor. For details of time limits and thesis requirements, please refer to the Postgraduate Course Structures for English Studies.
Subject Objectives: n/a
Additional Information: Students intending to enrol in a Postgraduate Research course should consult Dr Paul Sharrad, the Postgraduate Coordinator for English Studies.
Text books: n/a

FREN975 Major Thesis 48 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

HIST904 Themes in History 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 2 essays, 1 research paper
Subject Description: Designed to enable students to undertake a sustained reading program in selected themes in History under close supervision. Enrolment, selection of appropriate themes and readings are subject to the approval of the Head of the Program.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

HIST951 Philosophy of History 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 9,000 words in essays/tutorials
Subject Description: Examines certain fundamental problems associated with historical enquiry, including the core question, 'How do we come to know the past?' Some related questions explored are: Is the historical discipline a science? Are there historical laws? What role is played by chance in determining the outcome of events? What is meant by explanation? Is it possible for historians to be objective? Can a knowledge of the past provide the historian with the ability to predict?
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

HIST973 Major Thesis 48 cp
Pre-requisites: Bachelor's degree with Honours in History with a grade of 2(i) or better.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: In addition to completing a major thesis, postgraduate students in the History and Politics Program are required to attend a postgraduate seminar series. During the period of their enrolment, full-time postgraduate students should attend not less than 70% of the seminars offered, and part-time postgraduate students about 35%. All candidates for Master of Arts Honours shall give at least two, and candidates for doctoral degrees shall give three, work-in-progress seminars over the course of their candidature.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

HIST975 MA (Hon) Minor Thesis 24 cp
Pre-requisites: Bachelor's degree with a History major or equivalent.
Co-requisites: 24 credit points MA coursework subjects.
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Students undertaking the degree must submit a dissertation of 20,000 words on a research topic to be determined in consultation with the supervisor. Students are required to attend Postgraduate Seminars and to give at least one work-in-progress seminar over the course of their candidature.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

INTR900 International Law and Diplomacy 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Class participation, research essay, examination.
Subject Description: The history, theory and practice of diplomatic and consular representation in both bilateral and multilateral contexts. Detailed analyses are made of the theoretical underpinnings, legal character and practical uses of international law; the law of treaties; various forms of diplomatic exchange and recognition; formal diplomatic (non-)recognition; the opening and breaking of relations; diplomatic and consular practice including immunity; and international co-operation.
Subject Objectives: To understand the role of the international legal system in international relations.
Additional Information: n/a
Text books: n/a
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INTR940 Case Study in International Politics A 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Research paper.

Subject Description: This subject provides students with an opportunity to engage in detailed research on a particular aspect of international relations approved by the Co-ordinator of the Postgraduate Program in International Relations. The project may focus on an issue, an actor (or actors), or a theoretical or methodological question which the student has previously encountered through reading or practical experience. Enrollment requires the Co-ordinator’s approval, and may be determined by the availability of suitably qualified staff.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Autumn Min 1 hour Wollongong On Campus

INTR941 Case Study in International Politics B 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Research paper.

Subject Description: This subject provides students with an opportunity to engage in detailed research on a particular aspect of international relations approved by the Co-ordinator of the Postgraduate Program in International Relations. The project may focus on an issue, an actor (or actors), or a theoretical or methodological question which the student has previously encountered through reading or practical experience. Enrollment requires the Co-ordinator’s approval, and may be determined by the availability of suitably qualified staff.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Spring Min 1 hour Wollongong On Campus

INTR957 Postwar Economic and Social Development in the Asia-Pacific 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Essays and examination.

Subject Description: This subject traces economic and social development in the Asia Pacific since World War II. It covers major issues of economic development faced by countries of the region from the end of the colonial period to the present day and includes discussion of the colonial economic legacy, the formation of new social classes and their role in independence struggles, indicators of modernisation such as industrialisation, education, urbanisation, women and work, etc. Environmental issues are also discussed.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Autumn 3 hours per week Wollongong On Campus

INTR958 Select Topic in Postwar Econ Social Development in the Asia-Pacific 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Essays and examination.

Subject Description: The subject examines the politics of identity in the Asia-Pacific using a number of case studies. Issues explored include the relationship between nationalism, modernity and politics, the ways history and culture are viewed by present governments, the role of minority groups and relationships between military rule and democracy.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Spring 3 hours per week Wollongong On Campus

INTR960 Research Project in International Relations 16 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Research project

Subject Description: A detailed analysis of a significant actor, issue or period in international relations, drawing on research relevant primary and other sources, bodies of theory and/or comparative materials. Enrolment requires the prior approval of the Co-ordinator of the Postgraduate Programme in International Relations and may depend on the availability of appropriate sources and suitably qualified staff.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Spring 1 hour per week Wollongong On Campus
Autumn 1 hour per week Wollongong On Campus

INTR961 Research Project in International Relations 16 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Research project

Subject Description: A detailed analysis of a significant actor, issue or period in international relations, drawing on research relevant primary and other sources, bodies of theory and/or comparative materials. Enrolment requires the prior approval of the Co-ordinator of the Postgraduate Programme in International Relations and may depend on the availability of appropriate sources and suitably qualified staff.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Annual 1 hour per week Wollongong On Campus
MPOL901 National Dimensions of Maritime Policy

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** 7,500 words in essays and seminar papers.
- **Subject Description:** The subject introduces students to the field of maritime policy, providing an overview of conceptual approaches and analytical tools used in public policy analysis as well as an introduction to major substantive areas of national maritime policy. Participants are encouraged to adopt a broad inter-disciplinary perspective to policy analysis. Areas considered include defence, marine industry, marine science and technology, offshore resource development, integrated coastal management, coastal surveillance, shipping and port development and oceans policy. The subject compares Australia's experience with other advanced international countries, and pays attention to the Asia Pacific.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session:**
  - **Autumn:** 3 hours per week, Wollongong, On Campus
  - **Spring:** n/a, Wollongong, Modular

MPOL902 International Issues in Maritime Policy

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** 7,500 words in essays and tutorial papers.
- **Subject Description:** Examines maritime policy issues in an international context. In doing so, it deals with the history of humanity's usage of the sea and the foreign policy implications of maritime policy. It analyses international issues and actors including the legal framework and theories of maritime power, strategy and co-operation, with particular attention to international regimes with maritime application, including environmental, fishing and other resources, trade, shipping, ports, and illegal activities regimes.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session:**
  - **Spring:** 3 hours per week, Wollongong, On Campus
  - **Spring:** n/a, Wollongong, Modular

INTER970 Major Thesis in International Relations

- **Pre-requisites:** Honours at a minimum level of II (ii) in an appropriate discipline involving study of international relations OR minimum credit average in the MA in International Relations including Credit in INTR960 or INTR961 OR the equivalent
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** Thesis only, following satisfactory completion of such pre-requisites as may be required.
- **Subject Description:** The subject consists of research, on an approved topic in the area of international relations, broadly defined, including preparation of a detailed proposal outlining objectives, methodology and sources. Both the subject of the thesis and the methodology employed will generally draw on multi- or inter-disciplinary perspectives. Students are required to participate in a regular Postgraduate Seminar series.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session:**
  - **Annual:** Min 1 hour/2 weeks, Wollongong, On Campus

ITAL975 Major Thesis

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session:**
  - **Annual:** n/a, Wollongong, On Campus

JAPA975 Major Thesis

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session:**
  - **Annual:** n/a, Wollongong, On Campus

LANG903 Major Thesis

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session:**
  - **Annual:** n/a, Wollongong, On Campus

MPOL911 Maritime Transport 1: International Shipping

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** 7,500 words in essays and tutorial papers.
- **Subject Description:** This subject focuses on the structure and operations of the international shipping market. It examines the determinants of supply and demand for shipping and the factors which have been, and are, responsible for changes in the market. It looks at individual submarkets: freight rates and the pricing of shipping services. It pays close attention to recent developments in shipping including containerisation, hub and feeder operations and intermodalism, with particular regard for issues relevant to Australia and the Asia-Pacific.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session:**
  - **Spring:** 3 hours per week, Wollongong, On Campus
  - **Spring:** n/a, Wollongong, Modular
MPOL912 Maritime Transport II: Port Development 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 7,500 words in essays and tutorial papers.

Subject Description: This subject deals with the strategic development of ports. It assesses a number of approaches to the way in which ports are planned; and pays particular attention to the concepts of competitive efficiency and competitive advantage. It examines issues of port performance, port pricing and port investment policies. The subject reviews recent developments in Australian port development policy and in the development policies of ports in New Zealand, Southeast Asia and the Pacific Region.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
hours week
Spring n/a Wollongong Modular
Spring 3 hours per week Wollongong On Campus

MPOL920 Marine Environmental Management 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject provides a comprehensive overview of the scientific basis of maritime environmental management. It adopts a multi-disciplinary approach to the scientific understanding of how major marine ecosystems work and shows how an appreciation of such knowledge leads to the development of appropriate management strategies for these systems. The systems covered include estuaries, reefs, coastal wetlands and lagoons. The science of radioactive and other hazardous waste management is discussed. Case studies from Australia, South-East Asia and the Pacific Islands are included.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
hours
Spring n/a Wollongong Modular

MPOL921 Marine Environmental Planning 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject presents material necessary for a comprehensive overview of the status and development of maritime environmental planning in government and industry. Following an introduction to the principles of environmental planning, staff from a wide range of organisations make presentations on the mechanisms, difficulties and benefits of current planning activities in Australia. Reference is made to activities in other countries and to the global situation.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
hours week
Autumn n/a Wollongong Modular
Autumn 3 hours per week Wollongong On Campus

MPOL931 International Maritime Environmental Law 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject uses as its conceptual framework sovereignty and sovereign rights. Students will be introduced to the concept of Port State and Flag State responsibilities and powers; pollution control in zones of jurisdiction, marine resource conservation, pollution control on the high seas; pollution control in the Area; the role of international and regional institutions within the subject's conceptual framework and the effectiveness of current marine environmental protection rules.

Subject Objectives: At the conclusion of the subject students will be able to critically assess the framework of international laws of marine environmental management; apply the rules applicable in specific marine environment sectors and analyse their influence on development of the law; appreciate the political and management challenges facing marine environmental Australia and the Asia Pacific region.

Additional Information: n/a
Text books: n/a
Session contact campus delivery method
hours
Autumn n/a Wollongong Modular

MPOL932 The Law of the Sea 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject examines the evolving law of the sea from an historical perspective; examines maritime zones of jurisdiction (internal waters; territorial sea, contiguous zone, the exclusive economic zone; the high seas; the continental shelf and the Area); navigational regimes (transit passage, innocent passage, archipelagic sea lanes passage); maritime boundary delimitation and marine resources law (fisheries and oil/natural gas).

Subject Objectives: On completion of this subject students should be able to understand the development of the Law of the Sea, including the sources of international law and the differing positions of states with regard to issues that arise out of international maritime legislation, engage in informed discussion of specific aspects of the purposes, arrangements and regulation of Law of the Sea, and the future prospects for regional and international cooperation in maritime issues.

Additional Information: n/a
Text books: n/a
Session contact campus delivery method
hours
Autumn n/a Wollongong Modular

MPOL941 History and Politics of Sea Power 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 7,500 words in essays and seminar papers.
Subject Description: This subject reviews the evolution of theories of sea power and maritime strategy from the early theorists of the nineteenth century to contemporary post-Cold War tacticians. It addresses the relationship between ideas about the use of naval force and the actual history and politics of maritime power, including the ideas of geopoliticians from Admiral Alfred Thayer Mahan and Sir Halford Mackinder through Nicholas Spykman and the planners of Total War to post-Cold War experts like Colin S Gray. It relates these theorists' work to the emergence of naval force and counterforce in the modern world, including use and development of sea power in peacetime.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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<tr>
<td>Autumn</td>
<td>3 hours per week</td>
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MPOL951 Selected Topics in Maritime Policy (1) 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 7,500 words in essays and seminar papers.

Subject Description: This subject provides students with the opportunity to undertake a closely supervised programme of study, including reading and other appropriate forms of research, in an approved, specialist area of Maritime Policy.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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MPOL952 Selected Topics in Maritime Policy (2) 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 7,500 words in essays and seminar papers.

Subject Description: This subject provides students with the opportunity to undertake a closely supervised programme of study, including reading and other appropriate forms of research, in an approved, specialist area of Maritime Policy. (This subject covers a different range of topics from those covered in MPOL 951 Selected Topics in Maritime Policy (1).

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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MPOL960 Research Project in Maritime Policy 16 cp

Pre-requisites: Honours at a minimum level of II(iii) in an appropriate discipline involving study of maritime policy OR achievement of a minimum of a Credit in each of MPOL901 and MPOL902 PLUS prior submission and approval of a detailed, written research proposal.

Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 15,000 words research project

Subject Description: A detailed analysis of a significant aspect of or issue in maritime policy, drawing on research into relevant primary and other sources, bodies of theory, methodological questions and/or comparative materials. Enrolment requires the prior approval of the Course Co-ordinator and may depend on the availability of appropriate sources and suitably qualified staff.

Subject Objectives: n/a

Additional Information: Not to count with MPOL961

Text books: n/a

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MPOL961 Research Project in Maritime Policy 16 cp

Pre-requisites: Honours at a minimum level of II(iii) in an appropriate discipline involving study of maritime policy OR achievement of a minimum of a Credit in each of MPOL901 and MPOL902 PLUS prior submission and approval of a detailed, written research proposal.

Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 15,000 words, research project

Subject Description: A detailed analysis of a significant aspect of or issue in maritime policy, drawing on research into relevant primary and other sources, bodies of theory, methodological questions and/or comparative materials. Enrolment requires the prior approval of the Course Co-ordinator and may depend on the availability of appropriate sources and suitably qualified staff.

Subject Objectives: n/a

Additional Information: Not to count with MPOL960

Text books: n/a

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MPOL970 Major Thesis in Maritime Policy 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Thesis only, following such pre-requisites as may be required.

Subject Description: The subject consists of research, including preparation of a detailed proposal outlining objectives, methodology and sources, for an original, substantial contribution to scholarship. The thesis subject, which must be approved before enrolment, concerns an aspect (or aspects) of maritime policy, broadly defined. The research will generally be multi- or inter-disciplinary. Students will be required to attend and present work-in-progress papers to a regular postgraduate seminar series.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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PHIL913 Advanced Philosophical Topics 913  
Pre-requisites: Entry is restricted to students seeking admission to the Honours Masters degree who does not have at least an Honours Class II, Division 2 degree in Philosophy but have attained an average of credit or better in their post-100 level undergraduate philosophy.

Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Essays and written examinations

Subject Description: An approved or prescribed selection of courses provided by the Program under other designations deemed by the Head of the Program to be appropriate as a foundation for postgraduate studies, given the background and intended pursuits of the individual student.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Annual n/a Wollongong On Campus

PHIL923 Minor Thesis 24 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Annual n/a Wollongong On Campus

PHIL935 Applied Ethics 8 cp

Pre-requisites: Bachelor degree (pass of honour) in any field, or equivalent. Not to count with PHIL251.

Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Major research assignment, seminar participation and 2 papers.

Subject Description: A systematic study of a range of problems of applied ethics. Among the topics for discussion will be a selection of the following: subjectivist and objectivist theories of morality; facts and values; moral realism; consequentialism; virtues and vices; evaluative thinking and motivation; morality and self-interest.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Autumn 3 hrs per week Wollongong On Campus

PHIL955 Theoretical Ethics 8 cp

Pre-requisites: Bachelor or equivalent. Not to count with PHIL251 or PHIL301

Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Major research assignment, seminar participation and 2 papers.

Subject Description: A systematic study of some central issues in moral philosophy and moral psychology. Among the topics for discussion will be a selection of the following: subjectivist and objectivist theories of morality; facts and values; moral realism; consequentialism; virtues and vices; evaluative thinking and motivation; morality and self-interest.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Spring 3 hrs Wollongong On Campus

PHIL965 Bioethics 8 cp

Pre-requisites: Bachelor degree or equivalent
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Major research assignment, seminars

Subject Description: Systematic study of a range of bioethical problems. Topics will include: euthanasia; physician-assisted suicide; reproduction technology; anonymous donor programs; genetic counselling, screening and testing; surrogacy; embryo and fetal research; health resources allocation; organ transplantation; experimentation involving human subjects; research involving animals; the nature of professional ethics.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Spring 3 hr lect/disc per wk Wollongong On Campus

PHIL976 Ethical Issues in Research 8 cp

Pre-requisites: Bachelor degree (pass or honours) in any field, or equivalent
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Research project, 2 seminars

Subject Description: Examines areas of ethical concern in different fields of research involving human subjects or participants and justifications for such research. Topics discussed include: consent; confidentiality; fraud; disadvantaged participants; use of research findings; institutional ethics committees; codes of research practice and responsibilities in research.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Autumn 3 hr seminars Wollongong On Campus

PHIL986 Applied Ethics Topic 8 cp

Pre-requisites: Bachelor degree or equivalent.

Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Essays/seminars equivalent to 5,500 words.

Subject Description: Offers students enrolled in the MA (Applied Ethics) the opportunity to investigate applied ethics issues at an advanced level. Students wishing to enrol must discuss their proposal with the Head of Program. Normally this is a reading program. Content and assessment is determined by the supervisor and student.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

69
PHIL990  Contemporary Political Philosophy  8 cp
Pre-requisites: Bachelor degree or equivalent
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Essays equivalent to 5,500 words; seminar
Subject Description: Examination of current themes in political philosophy. Explores differences in the role of the state, civil society and citizenship in recent liberal, communitarian and feminist political theory. In particular, examines the ways in which contemporary political philosophers respond to gender and ethnic diversity in their political theories.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session  contact  campus  delivery
            hours  method
Autumn  3 hrs per  Wollongong  On Campus
         week

PHIL995  Environmental Ethics  8 cp
Pre-requisites: Bachelor degree or equivalent. Not to count with PHIL256
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Major research assignment, seminar participation and 2 papers.
Subject Description: A systematic study of problems in environmental ethics. Topics include the place of humankind in nature; the status of non-human animals and their use in research and as food; our moral obligations to the 3rd world and to future generations; 'deep' versus 'shallow' theories of environmental ethics.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session  contact  campus  delivery
            hours  method
Spring  3 hrs per  Wollongong  On Campus
        week

PHIL999  Major Thesis  48 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 5,000 words in essays and tutorial papers
Subject Description: This subject examines the role the mass media play in the process of globalisation. Topics covered include the increasing concentration of ownership and control, the Americanisation of culture and the corporatising of communication. Film, television, radio, book publishing, theme parks and the Internet will all be examined as elements of the globalising dynamic. Cultural and political resistance to globalisation will also be investigated.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session  contact  campus  delivery
            hours  method
Spring  n/a  Wollongong  On Campus

POL 902  Advanced Topics in Politics  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 5,000 words in essays and tutorial papers
Subject Description: This subject builds on recent and classical approaches to the study of Political Theory to address key questions concerning politics, the modern state, culture and the main traditions of political thought. Western Liberal Democratic, Republican, Conservative, Libertarian, Political Economic, Democratic Socialist, Feminist, Environmentalist, Anarchist, Modernist, Post-Modernist and Marxist writers can be selected for advanced study by students. Students may select to follow recent trends in the history of political thought or more interpretive concept-based forms of analyses to further their understanding of specific thinkers or problems. Concepts students are invited to study can include: the state, civil society, difference, human nature, authority, agency, culture, freedom, equality, justice, obligation and rights.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session  contact  campus  delivery
            hours  method
Autumn  3 hours per  Wollongong  On Campus
        week

POL 914  Political Theory: New Departures for a New Millennium  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 5,000 words in essays and tutorial papers
Subject Description: This subject encourages students to use contemporary comparative frameworks to analyse politics in liberal democratic countries, including the USA, Western Europe and Australia, post-communist countries and the transitional regimes in Latin America or East Asia. Students will select a specific country or group of countries for examination. Key themes include: sovereignty and Globalisation, the role of the state, building and maintaining civil society, the relationship of state and civil society, political parties, the rule of law, media, human rights, classes, genders, ethnicities, concepts of power and authority and respective approaches to political economy.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session  contact  campus  delivery
            hours  method
Spring  n/a  Wollongong  On Campus

POL 931  Comparative Politics in a New World Order  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 5,000 words in essays and tutorial papers
Subject Description: This subject encourages students to use contemporary comparative frameworks to analyse politics in liberal democratic countries, including the USA, Western Europe and Australia, post-communist countries and the transitional regimes in Latin America or East Asia. Students will select a specific country or group of countries for examination. Key themes include: sovereignty and Globalisation, the role of the state, building and maintaining civil society, the relationship of state and civil society, political parties, the rule of law, media, human rights, classes, genders, ethnicities, concepts of power and authority and respective approaches to political economy.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
POL 941 Politics of Developing and Lesser Developed Countries 8 cp

- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: 5,000 words in essays, seminar and tutorial papers

Subject Description: The subject examines a broad range of political economic and cultural problems specific to developing and lesser-developed countries. Such problems include large disparities in income and wealth, corruption, political instability, exploitation of workers and peasants, environmental degradation, resource depletion, pressures on food and an increasing urban rural gap. First world initiatives such as population policies, green revolution and free trade politics are studied. Regions covered reflect a wide range of student choice: Latin America, Central and East Asia including China, South East Asia and the South Pacific. Analysis of particular countries or regions pays particular attention to recent developments in theories of Globalisation, development and under development.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session   contact   campus   delivery   method
 Autumn   3 hours per week   Wollongong   On Campus

POL 951 Major Thesis 48 cp

- Pre-requisites: Bachelor's degree with an Honours major in Politics at a minimum level of 2(i) or equivalent
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: Thesis

Subject Description: In addition to completing a major thesis, in close consultation with their appointed supervisor(s), postgraduate students are required to attend postgraduate seminars and to give work-in-progress seminars at least once a year. Students may also be required to complete such coursework as the Professor of Politics, acting in consultation with the supervisor(s), shall determine.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session   contact   campus   delivery   method
 Annual   n/a   Wollongong   On Campus

SOC 904 An Introduction to Policy and Program Evaluation 8 cp

- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: Four presentations from set exercises 20% each, short evaluation project

Subject Description: The course covers the full range of techniques and applications involved in the evaluation of social programs. It starts with a brief history of evaluation research and then goes on to cover diagnostic procedures, means of fitting evaluation designs to particular problems, program monitoring, data collection and processing, cost-benefit analysis and strategies for impact analysis such as randomised designs and quasi-experimental assessments.

Subject Objectives: n/a

Additional Information: SOC904 is a core subject for the Masters in Social Policy.

Text books: To be advised

Session   contact   campus   delivery   method
 Autumn   2hrs seminar   Wollongong   On Campus

SOC 905 Social Policy Research Project 8 cp

- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a

Subject Description: The research report shall be based on empirical research into a social policy issue which demonstrates significant problems for policy analysis and response. The issue will relate to the substantive area of study chosen as a focus for the student's course work program.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session   contact   campus   delivery   method
 Autumn   n/a   Wollongong   On Campus
 Spring   n/a   Wollongong   On Campus

SOC 906 Sexuality, Health Issues and Social Policy 8 cp

- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a

Subject Description: Key concepts in the sociology of health and illness will be used to explore contemporary policy making about sexual expression and sexual reproduction. This subject will examine the ways that feminist and sexual liberationist politics have challenged previous ethical and social theory and policy practice by a number of liberal democracies. We will critically examine attempts by various Australian governments to make policy about fertility and fertility control, assisted reproductive technologies, HIV/AIDS and the sexual and physical abuse of women and children.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session   contact   campus   delivery   method
 n/a

SOC 910 Postgraduate Sociology Seminar 8 cp

- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: Small projects; Research proposal; Seminar presentations

Subject Description: This subject aims to prepare Masters and Honours students for the successful completion of their thesis. It will provide appropriate skills in argumentation, information technology and bibliography formation. At its completion, students will be equipped with a well-researched and well thought through research proposal and timetable, and bibliography and will be practised in the oral and written presentation of scholarly ideas and argument, and in criticising them as well. The subject is organised around a series of projects which will enhance abilities to plan time use, to work on several projects at one time and to meet consecutive deadlines. Colleageal team work is also an important aspect of the work of the subject.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a
Subject Descriptions

SOC 918  Sociology of Development  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Seminar Paper 30%, Minor Essay 30%, Major Essay 40%
Subject Description: This subject examines the interaction between rich and poor nations, and theoretical explanations for the emergence of international disparities of wealth. In particular it will focus on the Asia-Pacific region, and the role that Australia plays in this part of the world. Development programs conducted by both government and non-government agencies will be studied.
Subject Objectives: At the end of this subject a student will be able to: 1. Demonstrate an understanding of contemporary development issues in the region; 2. Apply sociological analyses to several current development issues; 3. Use the library as a resource for original research; 4. Work in small groups; 5. Critically analyse the work of others; and 6. Communicate and argue sociologically.
Additional Information: n/a
Session  contact  campus  delivery  method
n/a

SOC 921  Special Topic in Sociological Studies  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: One essay & tutorial assignments
Subject Description: Topics for this subject may be chosen from any area of Sociology which the Head of Program considers to be of suitable substance and level to be offered as a SOC900 subject. This will be a reading subject offered under the direct supervision of a member of staff. For information of availability of topics offered, students should consult the Head of Program.
Subject Objectives: n/a
Additional Information: Contact hrs: individual supervision and seminars
Text books: n/a
Session  contact  campus  delivery  method
n/a

SOC 924  Advanced Studies in Time, Work & Leisure  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Reviews 30%, Research Proposal 20%, Research Report 50%
Subject Description: This subject focuses on the social and political nature of time; how its measurement and use are various in different places and epochs. Even though the socio-temporal order is based largely on arbitrary social convention, it is nevertheless perceived by most as given, inevitable and unalterable. Our current conception of time, felt as universal and natural, is a very recent social construction. While the measurement of time is various, its use is even more diverse.
Subject Objectives: n/a
Additional Information: n/a
Text books: To be advised
Session  contact  campus  delivery  method
n/a

SOC 933  Advanced Research Techniques  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Short research project; Major essay; Class presentation
Subject Description: Will explore social science techniques of enquiry with a focus of appropriate methods, both qualitative and quantitative, for different types of enquiry. Students will review some of the traditional social science tools of analysis as well as some alternative methods such as unobtrusive research. In addition students will become familiar with a statistical computer package for presenting and analysing quantitative data.
Subject Objectives: n/a
Additional Information: SOC933 is a core subject for the Master of Social Policy.
Text books: To be advised.
Session  contact  campus  delivery  method
n/a

SOC 940  Contemporary Social Policy Theory and Practice  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: E-mail group discussion; Book review; social policy research project; seminar paper.
Subject Description: This subject explores the relationship between social policy and sociological theory. The subject will review major debates in contemporary sociology in these areas and move towards developing a paradigm for the evaluation of policy in Australia. The discussion of social policy in Australia will focus on understanding the role of the State, the development and impact of policy and the historical and materialist base in which the State and its policies are located.
Subject Objectives: n/a
Additional Information: SOC940 is a core subject for the Masters in Social Policy.
Text books: To be advised.
Session  contact  campus  delivery  method
n/a

SOC 942  Advanced Race and Ethnic Studies  8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Seminar paper and presentation; Major essay; Class participation.
Subject Description: This course introduces students to theories of race, racism, ethnicity and migration. These will be linked to other dimensions of social structure and action, in particular class and gender relations. Global political economy, international migration and the process of ethnic group formation will be examined as the basis for many current situations of ethnic diversity. For Australia, we will look at
the situation of indigenous people and of immigrants, and examine the role of cultural diversity in the development of social relations and national identity. We will also examine such issues at the international level. Examples will be drawn both from Australia and other countries.

The subject includes consideration of the subjective and structural dimensions of racial oppression, ethnic mobilisation and liberation movements, as well as an analysis of the theoretical and substantive relationships between culture, identity and resistance.

Subject Objectives: n/a
Additional Information: n/a

**Text books:** To be advised.

**Session**  
contact: campus  
delivery: method

**n/a**

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**SOC 943**  
Advanced Urban Society  
8 cp

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** Essay 50%; Concept Paper 30%; Presentation 20%
**Subject Description:** 1984, Brave New World, The Trial, the societies in these works of fiction have clear and oppressive forms of social regulation, or social control. Where would our society fit into these imagined worlds? As a society, is our level of social regulation so minimal that we could not have any similarities to these nightmarish worlds of science fiction and suffocating bureaucracies? How are your everyday practices regulated or is social regulation only for those who need it, those who transgress like deviants, the mentally ill, criminals, youth gangs, dole bludgers, welfare cheats etc? Do we only experience social regulation through institutions and their processes, for example, medical, legal and welfare? Does social regulation work at the level of the body through the affects of institutions and through various other modes of power; or can the body disrupt attempts at social control? The theory of governance or governmentality, ie, how the social is governed, and neo-liberalism, the politics through which society is governed, will be used to address these questions. The theories will be linked to a number of current issues including, the regulation of pregnancy, self-esteem as social control, crime prevention strategies as was of social regulation and regulatory processes involved in being unemployed.

**Subject Objectives:** n/a
**Additional Information:** n/a
**Text books:** To be advised

**Session**  
contact: campus  
delivery: method

**n/a**

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**SOC 949**  
Advanced Social Regulation: Policies and Issues  
8 cp

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** To be advised
**Subject Description:** See Head of Program
**Subject Objectives:** n/a
**Additional Information:** n/a
**Text books:** n/a

**Session**  
contact: campus  
delivery: method

**n/a**

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**SOC 950**  
Advanced Studies of the Individual in Society  
8 cp

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** To be advised
**Subject Description:** This subject examines some of the most fundamental aspects of the human life cycle. One broad aim of the subject is the gaining of some personally meaningful understanding of the extent to which an individual is 'socially constructed'. The subject starts with the historical, cultural and institutional context of the individual in 'modern' times. On that basis the nature of sex, love, death and change will be considered in the context of identity formation and social and cultural reproduction. These themes will involve some treatment of 'post-structural' and 'post-modern' theoretical issues.

**Subject Objectives:** n/a
**Additional Information:** n/a
**Text books:** n/a

**Session**  
contact: campus  
delivery: method

**n/a**

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**SOC 959**  
Advanced Sociology of Gender Relations  
8 cp

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** Quizzes Due in class 30%; Email Discussion group 10%  
Book Review 20%; Major Essay 40%
**Subject Description:** This subject examines sociological theories that seek to explain the significance of gender as an organising principle of social life. It examines contemporary debates on the relationship between sex, gender and biology, and the intersection of gender and power. The following issues are addressed through a comparative analysis of literature on masculinity and femininity: class, sexuality, ethnicity, the body, violence, and the state.

**Subject Objectives:** At the end of this subject you will be able to: 1) Understand the social significance of gender, and the different ways sociologists discuss it; 2) Apply sociological analyses to several current issues in gender relations; 3) Use the library as a resource for original research; 4) Work in small groups; 5) Use email to contribute to an online discussion group; 6) Critically analyse the work of others; and 7) Communicate and argue sociologically.

**Additional Information:** n/a

**Session**  
contact: campus  
delivery: method

**n/a**

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**SOC 970**  
Advanced Social Movements  
8 cp

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** Major essay: Seminar presentation; Project paper; Class participation
**Subject Description:** This subject will examine, historically and sociologically, local and global power relations with particular reference to traditional and recent channels of resistance and change. Firstly some of the traditional channels, such as trade unions, will be analysed as agents of change. Secondly, new social movements including the women's movement, urban movements, environmental and minority liberation movements will be examined. Thirdly, students will also investigate recently emerged web-based protest groups.

**Subject Objectives:** n/a
**Additional Information:** n/a
**Text books:** To be advised

**Session**  
contact: campus  
delivery: method

**n/a**
SOC 990  A Minor Thesis  24 cp

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** n/a

**Subject Description:** Students will be required to engage in an extensive program of study - reading, research and fieldwork - that will explore in depth and detail one issue (or a set of issues) that arises from or is related to the concepts and material dealt within coursework subjects. This program will result in the submission of an essay of 15,000 words, OR a fieldwork report of 15,000 words (or equivalent taking into account diagrams, tables and other graphics) OR some other equivalent body of work, as arranged with the course administrative panel. Whilst the dissertation can be nominated by the student, they will require the approval of the Board six weeks into the course and this has to be validated by the ninth week, when a formal supervisor will be allocated.

**Subject Objectives:** n/a
**Additional Information:** n/a
**Text books:** n/a

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**STS 901  Theories and Methods of Science and Technology Studies  12 cp**

**Pre-requisites:** Approval of Head of Program
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Subject Description:** This subject introduces current research and theory in the social dynamics of science and technology. It examines alternative explanations of scientific and technological change and how they inform the promotion and regulation of science and technology. It takes a variety of case studies and considers the implications of this work for those involved in managing, or developing policies for, science and technology.

**Subject Objectives:**

**Additional Information:**

**Text books:** n/a

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**STS 902  Advanced Topics in Science and Technology Studies  12 cp**

**Pre-requisites:** Approval of Head of Program
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Subject Description:** Students will study topics appropriate to their field of special interest, subject to the approval of the Head of Program.

**Subject Objectives:** n/a
**Additional Information:** n/a
**Text books:** n/a

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**STS 903  Minor Thesis  24 cp**

**Pre-requisites:** Approval of Head of Program
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Subject Description:** A thesis embodying the results of an original investigation under the supervision of a staff member. The topic and programme of research must be approved by the Head of Program.

**Subject Objectives:** n/a
**Additional Information:** n/a
**Text books:** n/a

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**STS 921  The Dynamics of Science and Technology  12 cp**

**Pre-requisites:** Approval of Head of Program
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Subject Description:** This subject introduces current research and theory in the social dynamics of science and technology. It examines alternative explanations of scientific and technological change and how they inform the promotion and regulation of science and technology. It takes a variety of case studies and considers the implications of this work for those involved in managing, or developing policies for, science and technology.

**Subject Objectives:**

**Additional Information:**

**Text books:** n/a

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**STS 924  Major Thesis  48 cp**

**Pre-requisites:** Approval of Head of Program
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Subject Description:** A thesis embodying the results of a significant and original investigation under the supervision of a staff member. The programme of research must be approved by the Head of Program.

**Subject Objectives:** n/a
**Additional Information:** n/a
**Text books:** n/a

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**STS 929 Studies in Resource and Environmental Policy**  
8 cp  
Pre-requisites: Approval of Head of Program or Subject Coordinator  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: Essays, presentations and class participation  
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.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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**STS 931 Risk Assessment Health and Safety 12 cp**  
Pre-requisites: Approval of Head of Program or Subject Coordinator  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: Essays, presentations and class participation  
Subject Description: This subject examines hazards to human life and health associated with technologies - in the workplace and the wider environment. It focuses on the politics and economics of the generation and distribution of hazards; methods and problems in analysing and evaluating risks; discourses, debates and decision-making on hazards; and strategies for managing them. It compares different theoretical approaches for explaining these processes and debates, and for informing intervention in them.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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**STS 934 Genetics and Technological Innovation**  
12 cp  
Pre-requisites: Approval of Head of Program or Subject Coordinator  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: Essays, presentations and class participation  
Subject Description: This subject examines the development, impact and social context of molecular biology and genetic engineering. Topics may include: the development of a model for DNA; the development of recombinant DNA techniques; Asilomar and safety; corporate influence on molecular biology; ethical and political issues in genetic screening and genetic engineering; regulation of biotechnology and social control of research priorities; legal and moral issues in the patenting of life forms; the human genome project; the release of recombinant organisms; and biotechnology industry in Australia.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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**STS 936 Critical Studies in Medicine and Health Care**  
12 cp  
Pre-requisites: Approval of Head of Program or Subject Coordinator  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: Essays, presentations and class participation  
Subject Description: This subject explores the social, economic and political dimensions of medicine and health care: the forces shaping them, their implications and their limitations. Themes and topics may include: the shaping of medical knowledge and discourses, and concepts of health and sickness; institutions and markets; evaluation of new remedies; technological innovation; health and medical policies; the politics of cancer; health in the workplace; ethical dilemmas; critiques of conventional medicine and health care; alternative health practices.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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**STS 946 Management of Technological Change**  
6 cp  
Pre-requisites: Approval of Head of Program  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: Essays, presentations and class participation  
Subject Description: This subject examines concepts and techniques available for managing technology in private and public sector organisations in the context of the changing role of technology in the national and global economy, and the implications of these changes for national, industry and company strategies. The subject covers issues of technology strategy formulation and management, marketing of technology, models and mechanisms of government intervention, new manufacturing technologies, work organisation and skill formation, and management information systems.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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CAPS901 Social Change and Development 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Continuous assessment 65% Project 35%
Subject Description: The key elements of social change in the Asia-Pacific are the forces of globalisation in relation to states and societies. This subject examines the elements of change internal to states in terms of relationships between ethnicity, gender, urbanisation and social movements. States in the Asia-Pacific have responded through various forms of authoritarianism, but since the late 1990s have undergone crises due to international pressures. In identifying the major elements of those pressures this subject will provide students with a new understanding of the issues conventionally understood in terms of “development”. The new middle classes, environmental issues and consumption are both causes and effects of these social changes which will be studied.
Subject Objectives: At the end of this course students will be able to: 1. Analyze in a disciplined way the rapid changes taking place in the Asia-Pacific region, and 2. Appreciate the linkages between different processes of social change in a way which transcends the more limited approaches of economic determinist development theory.

Additional Information: n/a
Text books: Book of readings

Session | contact hours | campus delivery method
Spring | n/a | Wollongong Flexible

CAPS902 Issues in Developing Economies 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Continuous assessment 65% Project 35%
Subject Description: The purpose of this subject is to increase students' awareness of the problems caused by poverty and underdevelopment, to advance their understanding of strategies for overcoming poverty and underdevelopment, and increase their awareness of the role and limitations of the state in promoting development. Topics covered will be: defining & measuring economic development; theories of economic development; growth, poverty and income distribution; population growth and development; employment & unemployment; migration and urbanisation; rural development; education and development; women & development; development & the environment; the role of the state in development.
Subject Objectives: At the end of this course students will be able to: 1. Apply a disciplined framework in the analysis of empirical material to what degree) evaluation is a form of experimentation in social science or a political process; the second with various conceptual organising frames for evaluation design; the third with methods of data collection relevant to program and policy evaluation; and the last with theories and methods in impact evaluation. The course will be student-centred, problem oriented and delivered in a multi-media format. All heuristic material will relate to the Asia-Pacific region (including Australia).

Additional Information: n/a
Text books: Multi-media delivery including website, list-server and book of readings

Session | contact hours | campus delivery method
Spring | n/a | Wollongong Flexible

CAPS903 Migration and Multicultural Societies 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Continuous assessment 65% Project 35%
Subject Description: This subject is concerned with the ways in which migration and ethnic diversity influence processes of social transformation in the Asia-Pacific region. Both internal and international migration will be discussed. In the case of internal migration, the types to be discussed include rural-urban movements, displacement through development projects and government migration programs (such as transmigration in Indonesia). For international migration, the type include permanent settler movements, labour migration, skilled migration, family reunion and refugee movements. A range of multicultural societies will be discussed, including both longstanding situations of multi-ethnicity and more recent immigration societies. In all cases, themes include gender issues, community relations, social and economic aspects, culture, identity and citizenship. These themes are examined from various disciplinary perspectives, including anthropology, economics, sociology, demography and geography. Cross-disciplinary approaches will also be introduced, such as migration systems theory and transnational communities theory.
Subject Objectives: Specialisation subject in Masters of Social Change and Development for Centre for Asia Pacific Social Transformation Studies

Additional Information: n/a
Text books: Book of readings

Session | contact hours | campus delivery method
Spring | n/a | Wollongong Flexible

CAPS904 Social Program Evaluation and Planning 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Continuous assessment 65% Project 35%
Subject Description: This course introduces students to both the theory and practice of policy and program evaluation. It is divided into four modules, each suitable for offering as short courses or workshop sequences. The first deals with such theoretical debates as whether (or to what degree) evaluation is a form of experimentation in social science or a political process; the second with various conceptual organising frames for evaluation design; the third with methods of data collection relevant to program and policy evaluation; and the last with theories and methods in impact evaluation. The course will be student-centred, problem oriented and delivered in a multi-media format. All heuristic material will relate to the Asia-Pacific region (including Australia).
Subject Objectives: This course aims to give students enough theoretical insight and practical design and analysis skills to enable them to undertake basis evaluations of social programs with reasonable confidence.

Additional Information: n/a
Text books: Textbook or learning package: Multi-media delivery including website, list-server and book of readings

Session | contact hours | campus delivery method
Spring | n/a | Wollongong Flexible

CAPS905 Labour Relations, Regulation and Organisation 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Continuous assessment 65% Project 35%
Subject Description: This subject focuses on the evolution and regulation of labour relations in the Asia-Pacific region. It examines the relationship between markets, production and consumption in the shaping of labour processes, and deals comparatively with the transitions from pre-capitalist to colonial to post-colonial societies in Indonesia, The Philippines, Vietnam, Thailand and Australia. Attention will be paid
to the roles of international bodies and regulations in the shaping of labour organisations.

**Subject Objectives:** Specialisation subject in Masters of Social Change and Development for Centre for Asia Pacific Social Transformation Studies

**Additional Information:** n/a

**Text books:** Book of readings

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**CAPS906 Human Resources in Developing Countries** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Continuous assessment 65% Project 35%

**Subject Description:** This subject focuses on the main arguments in favour of investing in human resources, and explains why investing in people is important to individuals, their families and society. It introduces ways of measuring returns to investments in education and health and of relating levels of human and physical capital to the determinants of economic development. It reviews policies that are supportive of human resource development, and examines the roles government, the private sector and international agencies. It also examines how globalising forces have influenced the HRD policies of national and international public and private sector organisations and contributed to the internationalisation of labour markets.

**Subject Objectives:** Specialisation subject in Masters of Social Change and Development for Centre for Asia Pacific Social Transformation Studies

**Additional Information:** n/a

**Text books:** Book of readings

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**CAPS907 Managing the Production and Diffusion of Knowledge** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Continuous assessment 65% Project 35%

**Subject Description:** This subject introduces students to the rapid changes in the way that organisations and structures are generating scientific knowledge and contributing to technological innovation, and achieving their diffusion and application in industry and the community. Globalisation of knowledge is contrasted with cultural change and community knowledge, at the local level. The course focuses on practical management and policy issues related to research and technology, drawing upon case studies from Australia and the Asia-Pacific region.

**Subject Objectives:** Specialisation subject in Masters of Social Change and Development for Centre for Asia Pacific Social Transformation Studies

**Additional Information:** n/a

**Text books:** Book of readings

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**CAPS933 Social Science Research Methods** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Continuous assessment 65% Project 35%

**Subject Description:** The overall objectives of this course are to provide students with a good grounding in the range of research methods relevant to the wider teaching program of CAPSTRANS, and also to provide an awareness of some of the relevant debates in the area of methodology. Both quantitative and qualitative research methods will be covered in the course, the former being taught largely through the use of the SPSS computer package. The course will be student-centred problem oriented and delivered in a multi-media format. It will be divided into modules suitable for offering in a short-course format and all heuristic material will relate to the Asia-Pacific region (including Australia).

**Subject Objectives:** At the end of the course students will be able to: 1. critique in an informed manner the research methods and the interpretation of data found in their reading for other courses; 1. design research frameworks appropriate to the research tasks arising from other parts of the course; 2. utilise a statistical computer package; and 3. manipulate basic statistical concepts in both descriptive and inferential modes.

**Additional Information:** n/a

**Text books:** Multi-media delivery including website, list-server and book of readings

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**CAPS934 Research Project in Social Change and Development** 12 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Production of 8000 word research report. Students assessed on: quality of literature search and data collection, quality of analysis and data processing, quality of presentation.

**Subject Description:** The subject will consist of the execution of, and report on, a research project in consultation with, and under the supervision of, a tutor nominated by CAPSTRANS. The students will utilize theoretical and empirical material as well as data-processing and analysis skills taught in other CAPSTRANS subjects. The subject will develop the students skills in applied empirical research and deepen their understanding of concepts and procedures taught in other CAPSTRANS courses by utilizing them in the context of this research.

**Subject Objectives:** At the end of the course students outcomes will be: 1. Enhanced ability to plan, execute and report upon empirical research 2. Completed research project of relevance to students professional/social situation 3. Enhanced analytical, data-processing and presentation skills 4. Valuable addition to student's professional portfolio

**Additional Information:** n/a

**Text books:** Multi-media delivery including website, list-server and book of readings

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Faculty of Arts

77
The Faculty of Commerce offers postgraduate qualifications within its following units:

**Accounting and Finance**

**Information Systems**

**Economics (including Industrial Relations)**

**Management**

**Marketing**

**Graduate School of Business and Professional Development**

**CAPSTRANS**

**ACCOUNTING AND FINANCE**

**Courses Offered**

- Doctor of Philosophy
- Honours Master of Arts by Coursework or Research
- Honours Master of Commerce by Coursework or Research in Accountancy
- Honours Master of Commerce by Coursework or Research in Finance
- Master of Commerce in Accountancy
- Master of Commerce in Finance
- Master of Banking
- Master of Professional Accounting
- Graduate Diploma in Commerce
- Graduate Certificate in Banking and Finance

**Current Research Areas**

The following areas of research are available to candidates undertaking the Honours Masters degrees and the Doctor of Philosophy degree:

- Accounting and information systems
- Auditing
- Critical accounting theory
- Controllership
- External financial reporting
- Finance
- Government and not-for-profit accounting
- History of accounting thought
- International accounting and finance
- Management accounting
- Small business management

**Doctor of Philosophy**

Candidates with good Masters or Honours degrees, Class 2 Division II or the equivalent can apply to undertake a Doctor of Philosophy. Full time study of a minimum of three years is normally required or the equivalent in part-time study. Candidates would be expected to work under supervision on problems related to the Department's research areas and may be required to attend coursework classes in order to develop skills necessary for their doctoral research. Candidates for this degree enrol in ACCY996.

**Honours Master of Arts (Research Masters)**

a) Candidates who have completed at an acceptable standard the requirements for the award of the Bachelor of Arts (Honours) in Accounting and Finance, Economics or Management at a standard of Class II, Division 2 or higher, or an equivalent degree, may qualify for the award of the MA(Honours) degree by completing at honours standard the accountancy or finance course of study as set out for the Honours Master of Commerce degree.

b) Candidates who have completed the requirements for the Bachelor of Arts degree at a standard less than Class II, Division 2, or equivalent degree, may, subject to the attainment of a satisfactory standard in that degree, be permitted to register as candidates for the MA(Honours) degree. Such candidates may qualify for the award of the degree by completing at honours standard subjects aggregating not less than 96 credit points of which subjects aggregating not less than 48 credit points shall be selected from the accountancy or finance course of study as set out for the Master of Commerce degree.

**Honours Master of Commerce (Accountancy) (Research Masters)**

This degree is primarily a research degree for those who have completed a bachelor's honours at a standard of Class II, Division 2 or higher in accounting. Candidates who have completed a masters degree (for example those described below) may be admitted to the program. The degree is normally 48 credit points and may be studied full-time over one year or may be studied part-time. In special circumstances candidates will be admitted to a 96 credit point program with the first 48 credit points normally comprising the subjects studied in the Master of Commerce programs.
 Candidiates who have completed the requirements for the award of the Bachelor of Commerce(Honours) in Accounting, Economics or Management at a standard of Class II, Division 2 or higher, or an equivalent degree, may qualify for the award of the Master of Commerce(Honours) degree by completing at honours standard the accountancy or finance course of study as set out below.

b) A candidate may not include for this degree subjects similar in content to subjects included in the honours part of the undergraduate course.

c) Candidates required to undertake a preliminary program or required to complete designated subjects at an appropriate standard in accordance with Clause 501(3) of the Honours Masters Degree Rules may have their enrolment cancelled in the event that the preliminary program or designated subjects is not completed at the appropriate standard. The standard program of study is composed of either:

   i) 12 credit points of coursework, ACCY993 Research Essay and ACCY995 Research Project; or

   ii) a 48 credit point thesis.

Where coursework is included it will comprise ACCY903 Accounting Theory (six credit points) and one of the six (6) credit point subjects from the list below. Where ACCY903 has already been studied (as part of the M Com above), two subjects from the list can be selected.

   ACCY907 Empirical Research Methods
   ACCY943 Auditing and Accounting Information Systems
   ACCY973 History of Accounting Thought

**Honours Master of Commerce (Finance) (Research Masters)**

This degree is primarily a research degree for those who have completed a bachelor's honours at a standard of Class II, Division 2 or higher in finance. Candidates who have completed a masters degree (for example those described below) may be admitted to the program. The degree is normally 48 credit points and may be studied full-time over one year or may be studied part-time. In special circumstances candidates will be admitted to a 96 credit point program with the first 48 credit points normally comprising the subjects studied in the Master of Commerce programs.

b) A candidate may not include for this degree subjects similar in content to subjects included in the honours part of the undergraduate course.

c) Candidates required to undertake a preliminary program or required to complete designated subjects at an appropriate standard in accordance with Clause 501(3) of the Honours Masters Degree Rules may have their enrolment cancelled in the event that the preliminary program or designated subjects is not completed at the appropriate standard. The standard program of study is composed of either:

   i) 12 credit points of coursework, ACCY993 Research Essay and ACCY995 Research Project; or

   ii) a 48 credit point thesis.

Where coursework is included the 12 credit points can be selected from the following subjects:

   ACCY903 Accounting Theory
   ACCY907 Empirical Research Methods
   ACCY987 Special Topic in Finance

**Master of Commerce (Accountancy)**

The purpose of this pass degree is to provide graduate students, who have completed the accountancy specialisation for the Bachelor of Commerce degree, with the opportunity of further in-depth study of advanced topics in accounting. The degree of 48 credit points may be studied full-time over one year, or may be studied part-time. Candidates may qualify for the Master of Commerce degree by completing the accountancy course of study as set out below.

Candidates who have completed a masters degree (for example those described below) may be admitted to the program. The degree is normally 48 credit points.

With permission of the Head of Department of Accounting and Finance it is possible for students to substitute for the subjects listed above ACCY985 Special Topic in Accounting A or ACCY986 Special Topic in Accounting B and up to three subjects offered in the M Com (Finance) specialisation.

**Master of Commerce (Finance)**

The purpose of this pass degree is to provide graduate students, who have completed the finance specialisation for the Bachelor of Commerce degree, with the opportunity of further in-depth study of advanced topics in finance. The degree of 48 credit points may be studied full-time over one year, or may be studied part-time. Candidates may qualify for the Master of Commerce degree by completing the finance course of study.

Members of not less than five years standing of the Australian Society of CPA's or the Institute of Chartered Accountants in Australia with appropriate experience are permitted to enrol for the degree even though they do not hold an undergraduate degree; such candidates will be required to pass subjects aggregating 72 credit points.
ACCY921 Managerial Finance*
ACCY922 Investment Analysis
ACCY923 Investment Management
ACCY924 Corporate Financial Information Analysis
ACCY925 Banking Theory and Practice
ACCY926 Studies in Business Finance
ACCY927 Small Business Finance
ACCY928 Multinational Financial Management

With the permission of the Head of the Department of Accounting and Finance it is possible for students to substitute for the subjects listed above up to three of the subjects offered in the Master of Commerce (Accountancy) specialisation.

*ACCY921 is available only to students who have no previous finance studies. Students who are not permitted to enrol in ACCY921 can select ACCY98/ Special Topic in Finance or ECON 934 Advanced Financial Economics. Students who have completed a finance specialisation undergraduate degree are recommended to not include ACCY922 Investment Analysis in their program.

**Master of Banking**

This degree has been developed to meet a demand in the banking and finance sector for graduates as well as the need for a professional development program. The program is accredited by the Australian Institute of Banking and Finance (ABIF) and is therefore attractive to professionals working in the banking and finance sectors. The program is also designed to meet the needs of international students. Candidates who have completed the requirements for a Bachelor of Commerce degree in accountancy or finance will be permitted to enrol in the degree. The degree of 48 credit points may be studied full-time over one year, or may be studied part-time.

**Program of Study**

Candidates may qualify for the Master of Banking by completing the following:

<table>
<thead>
<tr>
<th>ACCY922</th>
<th>Investment Analysis</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCY923</td>
<td>Investment Management</td>
<td>6</td>
</tr>
<tr>
<td>ACCY925</td>
<td>Banking Theory and Practice</td>
<td>6</td>
</tr>
<tr>
<td>ACCY926</td>
<td>Studies in Business Finance</td>
<td>6</td>
</tr>
<tr>
<td>ACCY928</td>
<td>Multinational Financial Management</td>
<td>6</td>
</tr>
<tr>
<td>ACCY955</td>
<td>International Banking</td>
<td>6</td>
</tr>
<tr>
<td>ACCY956</td>
<td>Banking, Lending and Securities</td>
<td>6</td>
</tr>
<tr>
<td>LAW970</td>
<td>Banking and Financial Institutions Law</td>
<td>6</td>
</tr>
</tbody>
</table>

**Master of Professional Accounting**

The Master of Professional Accounting degree offers graduates in other disciplines the opportunity to meet the admission requirements of the accounting professional bodies, providing them with the necessary skills to undertake the work of an accountant.

To gain entry to the program, candidates are required to have a degree from a university recognised by the National Office of Overseas Skills Recognition (NOOSR).

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

**Program of Study**

ACCY901 Accounting for Managers 6
ACCY903 Accounting Theory 6
ACCY908 Applied Financial Accounting 6
ACCY918 Applied Management Accounting 6
ACCY921 Managerial Finance 6
ACCY936 Management and Information Systems 6
ACCY961 Professional Practice Accounting 6
ACCY962 Professional Practice Auditing and EDP 6
ACCY963 Professional Practice Taxation 6
ECON937 Graduate Microeconomics 6
ECON939 Graduate Quantitative Methods 6
LAW960 Legal Studies for Professionals 6

**Graduate Diploma in Commerce (Finance or Accountancy)**

In accordance with the general regulations governing graduate diplomas, candidates for the Graduate Diploma in Commerce must have been admitted to the degree of Bachelor in the University or other approved institution. In special circumstances a professional person holding a tertiary qualification (for example, an experienced accountant with the Commerce (Accounting Procedures) Certificate) may be permitted to enrol. The main requirement is that subjects aggregating not less than 30 credit points of the 48 necessary for the Graduate Diploma are to be obtained from 200-level and/or 300-level subjects offered by the Accounting and Finance Department. The Graduate Diploma requires one year full-time study or part-time equivalent.

The Graduate Diploma serves a wide variety of interests. On the one hand Science or Engineering graduates may study first the second year accounting or take, say, Management Accounting to third year, and on the other hand, Accountancy students may specialise further for professional purposes.

Specific requirements for the Graduate Diploma are:

1. not less than 30 credit points (of the minimum required of 48) are to be obtained from 200-level and/or 300-level subjects offered by the Department of Accounting and Finance;
2. with the approval of the Head of the Department of Accounting and Finance subjects may be selected from 900-level subjects offered by the Department of Accounting and Finance. (Any subjects selected under this clause may be included in the 30 credit points required under 1); and
3. the whole course for the diploma is to be approved by the Head of the Department of Accounting and Finance as providing a coherent course of study.
Course Structures

**Graduate Certificate in Banking and Finance**

This course is designed to meet the needs in the banking and finance sector for professional and career development. The program has been accredited by the Australian Institute of Banking and Finance (AIBF). The 24 credit point course is offered part time. It may also be offered as a block by flexible delivery, please check with the Department.

For admission to the Graduate Certificate candidates are required to have completed a degree from a recognised tertiary institution. In special circumstances, applicants, who do not have an undergraduate qualification but can clearly demonstrate several years of senior management experience in the banking industry, can apply to the Head of Department for consideration.

**Program of Study**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCY925</td>
<td>Banking Theory and Practice</td>
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<tr>
<td>ACCY955</td>
<td>International Banking</td>
<td>6</td>
</tr>
<tr>
<td>ACCY956</td>
<td>Banking, Lending and Securities</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Plus either</strong></td>
<td></td>
</tr>
<tr>
<td>ACCY922</td>
<td>Investment Analysis</td>
<td>6</td>
</tr>
<tr>
<td>or</td>
<td><strong>LAW970</strong> Banking and Financial Institutions Law</td>
<td>6</td>
</tr>
</tbody>
</table>

**INFORMATION SYSTEMS**

**Courses Offered**

Doctor of Philosophy

Honours Master of Information Systems by Coursework and/or Research

Master of Information Systems

Graduate Diploma in Information Systems

Graduate Certificate in Information Systems

**Current Research Areas**

The following areas of research are available to candidates undertaking research degrees or projects as part of their programs in Information Systems.

**Systems in Context**

This area addresses contextual, interpretivist and reflexive approaches to the description and development of work practices, workplaces, organisations and their associated information systems. Current research activities focus on:

a) Systemic Semiotics

b) the Application of Activity Theory and Other Techniques to the Study of Information Systems in Organisations.

**Analysing, Developing and Integrating Internet Commerce Technologies in Organisations**

This area addresses the study of Internet Commerce in terms of internet applications within businesses, inter-enterprise applications (between businesses), virtual communities (social systems) and electronic trading (relationships between business and customers). Current research activities focus on:

a) Successful Generation of Internet Commerce Application Requirements for Small/Medium Enterprises

b) Electronic Commerce Strategies

c) Modelling the Diffusion of Information.

**Decision Systems**

This area addresses theoretical and practical questions relating to modelling, prototyping, implementing and testing complex information systems applications to support specific classes of decisions and business processes. Technologies employed may include object-relational, object-oriented and OLAP databases, hypermedia, internet programming, data mining, groupware, knowledge-based systems, constraint based reasoning, and agent oriented systems. Current research activities focus on:

a) Decision Support for Scheduling Decisions

b) Knowledge-Based Software Engineering

c) Database Querying of the World-Wide Web

d) Data Mining and Data Sharing

**Doctor of Philosophy**

Candidates for the degree enrol in BUSS999 Doctoral Thesis, (48 credit points) and will be required to complete satisfactorily BUSS929 Information Systems Research Methods (6 credit points) if they have not already completed a subject equivalent to BUSS929 prior to commencing the course.

**Honours Master of Information Systems**

i) Candidates who have completed the requirements for the award of B.Com(Honours) in Business Information Systems at a standard of Class II Division 2 or higher or an equivalent degree may qualify for the award of the Master of Information Systems(Honours) degree by completing at honours standard one of the following programs of study:
a) BUSS987 Masters Thesis (48 credit points);

b) BUSS986 Research Report (24 credit points) and coursework selected from BUSS900-level subjects aggregating to not less than 24 credit points.

In either case candidates will be required to complete satisfactorily BUSS929 Information Systems Research Methods (6 credit points) if they have not already completed a subject equivalent to BUSS929 prior to commencing the course.

ii) Candidates who have completed the requirements for the Bachelor of Commerce (Honours) degree at a standard less than Honours Class II, Division 2, or equivalent degree, may, subject to the attainment of a satisfactory standard in that degree, be permitted to register as candidates for the Master of Information Systems (Honours) degree. Such candidates may qualify for the award of the degree by completing at honours standard subjects aggregating not less than 96 credit points of which subjects aggregating not less than 48 credit points shall be selected in accordance with the requirements of (i) above.

Program of Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSS981</td>
<td>Advanced Information Systems Topic A</td>
<td>6</td>
</tr>
<tr>
<td>BUSS982</td>
<td>Advanced Information Systems Topic B</td>
<td>6</td>
</tr>
<tr>
<td>BUSS983</td>
<td>Advanced Information Systems Topic C</td>
<td>12</td>
</tr>
<tr>
<td>BUSS984</td>
<td>Advanced Information Systems Topic D</td>
<td>12</td>
</tr>
<tr>
<td>BUSS986</td>
<td>Research Report</td>
<td>24</td>
</tr>
<tr>
<td>BUSS987</td>
<td>Thesis</td>
<td>48</td>
</tr>
</tbody>
</table>

Master of Information Systems

The Master of Information Systems provides graduates with the opportunity to study advanced topics in information systems and to undertake a research project in one of the areas of research interest in the department. The program aims to both deepen and broaden the knowledge and skills of students in systems development methodology, systems management and a selected area of Information Systems research. Graduates from the program would be qualified to take on a senior analyst or project management role in the Information Systems Department, to plan and initiate innovative use of Information Technology and Information Systems within their organisations, or to pursue further research via doctoral studies. The one year full-time course may also be studied part-time. Applicants must have:

i) a degree in computing and/or Information Systems; or

ii) a degree with a major study in computing and/or Information Systems; or

iii) a graduate diploma in computing and/or Information Systems.

Program of Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSS945</td>
<td>Information Systems Project</td>
<td>12</td>
</tr>
<tr>
<td>BUSS950</td>
<td>Systems Development Methodologies</td>
<td>6</td>
</tr>
<tr>
<td>BUSS951</td>
<td>Critical Issues in Systems Development</td>
<td>6</td>
</tr>
<tr>
<td>BUSS952</td>
<td>Information Systems Management</td>
<td>6</td>
</tr>
<tr>
<td>BUSS953</td>
<td>Management of Systems Development</td>
<td>6</td>
</tr>
</tbody>
</table>

Plus 12 credit points of 900-level BUSS subjects selected from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSS906</td>
<td>Strategic Information in Organisations</td>
<td>6</td>
</tr>
<tr>
<td>BUSS907</td>
<td>Electronic Commerce</td>
<td>6</td>
</tr>
<tr>
<td>BUSS909</td>
<td>Office Automation and Intranets</td>
<td>6</td>
</tr>
<tr>
<td>BUSS910</td>
<td>Qualitative Analysis of Systems</td>
<td>6</td>
</tr>
<tr>
<td>BUSS911</td>
<td>Intelligent Systems</td>
<td>6</td>
</tr>
<tr>
<td>BUSS924</td>
<td>Systems Modelling and Simulation</td>
<td>6</td>
</tr>
<tr>
<td>BUSS926</td>
<td>Decision Support Systems</td>
<td>6</td>
</tr>
<tr>
<td>BUSS927</td>
<td>Human Computer Interaction</td>
<td>6</td>
</tr>
<tr>
<td>BUSS929</td>
<td>Information Systems Research Methods*</td>
<td>6</td>
</tr>
</tbody>
</table>

*Enrolment in BUSS929 requires the approval of the Head of Department.

Graduate Diploma in Information Systems

This course aims to provide graduates from a recognised tertiary course, a program of studies which will enable them to function as an information systems professional within an organisation or business concern. The course curriculum provides a balanced approach to the technical knowledge and skills as well as the human emphases of the information systems field.

The course is specifically designed for those who hold tertiary qualifications in areas not related to the discipline of information systems and who wish to gain essential initial education in information systems.

Specific admission requirements for the Diploma:

i) a university degree or equivalent;

ii) completion of at least the equivalent of one introductory computer or programming subject at tertiary level.

Applicants not meeting this requirement may do the Summer Session subject BUSS111 at this University prior to commencement.

In appropriate circumstances a person may be admitted if he/she submits evidence of such academic and professional attainments deemed to be equivalent to the requirements above.

Course Duration

The course is available by part-time study over four sessions (two years), in which case each student takes two subjects in any session, or by full-time study over two sessions.
Course Structures

Program of Study

The course is a coherent program of study which involves the successful completion of eight subjects (48 credit points) as listed below.

- BUSS211 Systems Analysis and Design 6
- BUSS212 Database Management Systems 6
- BUSS214 Business Programming II 6
- BUSS215 Business Programming III 6
- BUSS311 Advanced Database Management Systems 6
- BUSS312 Distributed Information Systems 6
- BUSS316 Information Systems Development Methodologies 6
- BUSS317 Business Programming IV 6

Pre-requisites will not apply to Graduate Diploma and Graduate Certificate students. Students may substitute other 200 or 300 level BUSS subjects with approval from the Head of Department.

Graduate Certificate in Information Systems

This one year part-time course is designed for graduates from a recognised tertiary institution seeking an introductory course in the field of information systems.

Specific entry requirements for the Certificate are:

i) a University degree or equivalent;

ii) completion of at least the equivalent of one introductory computer programming subject at tertiary level. Applicants not meeting this requirement may do the Summer Session subject BUSS111 at this University prior to commencement.

The course is specifically designed for, and restricted to those who hold qualifications in areas not related to the discipline of information systems. Students performing at a satisfactory level in the Graduate Certificate may be permitted to continue with the Graduate Diploma in Information Systems with up to 24 credit points of specified credit.

Program of Study

- BUSS211 Systems Analysis and Design 6
- BUSS212 Database Management Systems 6
- BUSS311 Advanced Database Management Systems 6
- BUSS316 Information Systems Development Methodologies 6

ECONOMICS

Courses Offered

- Doctor of Philosophy
- Honours Master of Commerce by Coursework and Research
- Honours Master of Arts by Coursework and Research
- Master of Commerce by Coursework
- Graduate Diploma in Commerce (Economics)
- Graduate Certificate in Applied Economics

The Department also offers courses in Industrial Relations - see below for details

Current Research Areas

- The Department's main research concentrations are:
  - Labour and Human Resources
  - International Trade and Investment
  - Economic Growth and Development
  - Small and medium enterprises
  - Industrial and Business Economics
  - Regional Development

Current and recent projects include:

- Advertising rivalry in the banking industry
- Child labour
- Determinants of economic growth
- Economic development policy with special reference to social sectors
- Economics of education
- Emissions and externalities in a global context
- Exchange rate movements and their effect on prices, trade and employment
- Exchange rate policies in Asian countries
- Export processing zones
- Geographical mobility of labour force participants
- Health economics
- Measuring the intensity of poverty
- Regional development policies
- Regulation of Aboriginal labour
- Regulatory issues in electronic money
- Savings, investment, productivity and economic growth
- Technological change, the learning curve and profitability
- Vietnam's reforms and economic growth
- SME's in Australia and Asia
Doctor of Philosophy

For the degree of Doctor of Philosophy, candidates enrol in the subject ECON993 Thesis. One semester of coursework is normally required.

Honours Master of Commerce (Economics) Honours Master of Arts (Economics)

The degree of 48 credit points can be studied full-time over two years, or may be studied part-time.

The purpose of the Honours Masters degree is to provide graduate students who have completed the Economics specialisation for the Bachelor of Commerce degree (or equivalent) with the opportunity for further in-depth study of advanced topics in Economics as a preparation for a professional career in economics. Entry requires a Bachelor of Commerce degree (Honours) with a specialisation in Economics or an equivalent degree. Students can be admitted without Honours qualifications but will be required to undertake additional coursework subjects of up to 48 credit points.

The Course Rules governing the Honours Masters degree will apply.

Program Of Study

For the Honours Master Degree, students must, subject to the advanced standing or exemptions clauses, complete 96 credit points comprising:

- ECON996 Advanced Macroeconomic Theory 6
- ECON997 Advanced Microeconomic Theory 6

Plus one of the following:

- ECON992 Research Report 24
- ECON993 Thesis 1 48

Only for candidates who have successfully completed ECON996 and ECON997 or their equivalents. Plus 36 to 60 credit points from the following:

- ECON901 Monetary Economics 6
- ECON902 Advanced International Monetary Economics 6
- ECON903 Public Finance 6
- ECON904 Trade, Growth and Development 6
- ECON906 History of Economic Thought 6
- ECON907 Cost-Benefit Analysis 6
- ECON908 Advanced Topics in the Economics of Development 6
- ECON909 Econometric Theory 6
- ECON911 Advanced International Economics 6
- ECON912 Labour Economics 6
- ECON913 Industrial Organisation 6
- ECON915 Electronic Commerce and the Economics of Information 6
- ECON916 Economics of Education, Health and Welfare 6
- ECON918 Economics of Health Care 6
- ECON921 Econometric Models 6
- ECON933 Conflict and Co-operation 6
- ECON935 Advanced Managerial Economics and Operations Research 6
- ECON938 Environmental Economics 6
- ECON939 Quantitative Economic Analysis 6
- ECON941 Advanced Topics in Economics - A 6
- ECON942 Advanced Topics in Economics - B 6
- ECON943 Advanced Topics in Economics - C 8
- ECON957 Productivity and Labour 8
- ECON978 Advanced Topics in Industrial Relations - C 6
- ECON982 International Economic Relations 6
- ECON983 Trade and Industry in East Asia 6
- ECON984 Financial Economics 6

Master of Commerce

The degree of 48 credit points may be studied full-time over one year, or may be studied part-time.

The purpose of this pass degree is to provide graduate students who have completed the Economics specialisation for the Bachelor of Commerce degree (or equivalent) with the opportunity for further in-depth study of advanced topics in Economics as a preparation for a professional career in economics.

The Course Rules governing the Masters degree will apply.

Entry requires a Bachelor of Commerce degree with a specialisation in Economics or an equivalent degree. Candidates who do not have a specialisation in Economics but who have the equivalent of Economics to second-year level in their undergraduate degree may be permitted to study for the degree provided they have first passed a program of 24 credit points of 300-level Economics subjects approved by the Head of Department; thus the total credit points required for these candidates is 72.

In special cases, a 96 credit point course may be approved. Students may include ECON991: Project, within their course.

Program Of Study

For the Master of Commerce degree, normally students must complete 48 credit points at 900-level according to the following program of study:

Compulsory subjects:

- ECON936 Graduate Macroeconomics 6
- ECON937 Graduate Microeconomics 6
- ECON939 Quantitative Economic Analysis 6

Plus 30 credit points from one of the following areas of study:

- International Business Economics

Eighteen credit points from the following:

- ECON902 Advanced International Monetary Economics 6
- ECON913 Industrial Organisation 6
- ECON982 International Economic Relations 6
Course Structures

KCON984 Financial Economics 6
Plus 12 credit points of 900-level subjects, six of which can be selected from outside the Department of Economics, with the approval of the Course Co-ordinator.

Trade Growth and Development
Eighteen credit points from the following:
ECON904 Trade, Growth and Development 6
ECON908 Advanced Topics in the Economics of Development 6
ECON982 International Economic Relations 6
ECON983 Trade and Industry in East Asia 6
Plus 12 credit points of 900-level subjects, six of which can be selected from outside the Department of Economics, with the approval of the Course Co-ordinator.

Money, Banking and Finance
ECON901 Monetary Economics 6
ECON902 Advanced International Monetary Economics 6
ECON984 Financial Economics 6
Plus 12 credit points of 900-level subjects, six of which can be selected from outside the Department of Economics, with the approval of the Course Co-ordinator.

Human Resource Economics
Eighteen credit points from the following:
ECON912 Labour Economics 6
ECON916 Economics of Education, Health and Welfare 6
ECON918 Economics of Health Care 6
ECON983 Trade and Industry in East Asia 6
Plus 12 credit points of 900-level subjects, six of which can be selected from outside the Department of Economics, with the approval of the Course Co-ordinator.

Graduate Diploma in Commerce
The purpose of this diploma is to provide graduate students who have not completed an Economics specialisation in their undergraduate degree with the opportunity for advanced study in Economics.

The Course Rules governing Graduate Diplomas will apply. Accordingly, candidates for the Graduate Diploma in Commerce will normally hold a Bachelor degree from an approved institution. In special circumstances a professional person holding a tertiary qualification other than a Bachelor degree may be permitted to enrol.

The Graduate Diploma in Commerce requires two sessions of full-time study or the part-time equivalent.

For the Graduate Diploma, students must complete 48 credit points including

Program Of Study
HCON205 Microeconomic Theory and Policy 8
HCON215 Microeconomic Theory and Policy 8
Plus 32 credit points of approved 200, 300 and 900-level subjects, one of which can be selected from subjects outside the Department.

Graduate Certificate in Applied Economics
The purpose of this certificate is to provide graduate students an opportunity for advanced study in Applied Economics. The award is suitable for students who have not completed an Economics specialisation in their undergraduate degree or for those who have completed an undergraduate major in Economics and who would like to pursue a short course with advanced study in a specialist area.

Program Of Study
For the Graduate Certificate in Applied Economics, students must complete 24 credit points of approved 200 and 300 level subjects.

INDUSTRIAL RELATIONS - OFFERED BY THE DEPARTMENT OF ECONOMICS

Courses Offered
Doctor of Philosophy
Honours Master of Commerce by Coursework and Research
Honours Master of Arts by Coursework and Research
Master of Commerce by Coursework
Master of Arts by Coursework
Graduate Diploma in Commerce (Industrial Relations)
Graduate Certificate in Industrial Relations

Current Research Areas
Current and recent projects in industrial relations include:
Aboriginal labour
Employee rights and human rights
Children's work and child labour
Gender and work
Employee participation, innovation and economic growth
Integration of market economies and the rights of labour
International migration and labour regulation
Faculty of Commerce

Commerce, Labour industrial relations history
Transmission of ideas
The employment relationship
History of ideas in commerce and labour
Business history and ideas

Doctor of Philosophy

For the degree of Doctor of Philosophy, candidates enrol in the subject ECON993 Thesis.

Honours Master of Commerce (Industrial Relations) Honours Master of Arts (Industrial Relations)

The degree of 48 credit points can be studied full-time over two years, or may be studied part-time.

The purpose of the Honours Masters degree is to provide graduate students, who have completed the Industrial Relations specialisation for the Bachelor of Commerce or Bachelor of Arts degree or equivalent, with the opportunity for further in-depth study of advanced topics in industrial relations in preparation for a professional career as an industrial relations expert. Entry requires a Bachelor of Commerce (Honours) or Bachelor of Arts (Honours) degree with a specialisation in Industrial Relations or an equivalent degree.

Students can be admitted without an Honours degree but will be required to undertake additional coursework subjects up to 48 credit points.

The Course Rules governing the Honours Masters degree will apply.

Program Of Study

For the Honours Master Degree students must, subject to the advanced standing or exemption clauses, complete:

Either
ECON993 Thesis
48
Or
ECON992 Research Report
24

Plus up to 48 credit points from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>ECON950</td>
<td>Gender and Work</td>
<td>8</td>
</tr>
<tr>
<td>ECON952</td>
<td>Workplace and Enterprise Industrial Relations</td>
<td>8</td>
</tr>
<tr>
<td>ECON953</td>
<td>Political Economy of Australian Wage Determination</td>
<td>8</td>
</tr>
<tr>
<td>ECON958</td>
<td>Industrial Relations and Management Thought</td>
<td>8</td>
</tr>
</tbody>
</table>

Plus 24-48 credit points from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
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<td>Labour Economics</td>
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<tr>
<td>ECON913</td>
<td>Industrial Organisation</td>
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<td>ECON948</td>
<td>Employers and Industrial Relations</td>
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</tr>
<tr>
<td>ECON955</td>
<td>Comparative Studies in Industrial Relations</td>
<td>8</td>
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<tr>
<td>ECON956</td>
<td>Advanced Industrial Relations Processes</td>
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<tr>
<td>ECON957</td>
<td>Productivity and Labour</td>
<td>8</td>
</tr>
<tr>
<td>ECON973</td>
<td>Employers and Industrial Relations - A</td>
<td>8</td>
</tr>
<tr>
<td>ECON976</td>
<td>Advanced Topics in Industrial Relations - A</td>
<td>8</td>
</tr>
<tr>
<td>ECON977</td>
<td>Advanced Topics in Industrial Relations - B</td>
<td>8</td>
</tr>
<tr>
<td>ECON978</td>
<td>Advanced Topics in Industrial Relations - C</td>
<td>8</td>
</tr>
<tr>
<td>MGMT953</td>
<td>Human Resource Management</td>
<td>6</td>
</tr>
<tr>
<td>LAW966</td>
<td>Studies in Industrial Law</td>
<td>6</td>
</tr>
<tr>
<td>LAW969</td>
<td>Occupational Health and Safety Law</td>
<td>6</td>
</tr>
</tbody>
</table>

Master of Commerce (Industrial Relations) Master of Arts (Industrial Relations)

The purpose of this pass degree is to provide graduate students who have completed the Industrial Relations specialisation for the Bachelor of Commerce or the Bachelor of Arts degrees or equivalent with the opportunity for further in-depth study of advanced topics in Industrial Relations in preparation for a career in industrial relations. Entry requires a Bachelor of Commerce degree with a specialisation in Industrial Relations or an equivalent degree.

The Course Rules governing the Masters Degree will apply.

Program Of Study

24 credit points from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON950</td>
<td>Gender and Work</td>
<td>8</td>
</tr>
<tr>
<td>ECON952</td>
<td>Workplace and Enterprise Industrial Relations</td>
<td>8</td>
</tr>
<tr>
<td>ECON953</td>
<td>Political Economy of Australian Wage Determination</td>
<td>8</td>
</tr>
<tr>
<td>ECON958</td>
<td>Industrial Relations and Management of Thought</td>
<td>8</td>
</tr>
</tbody>
</table>

Plus 24 credit points from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON912</td>
<td>Labour Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECON913</td>
<td>Industrial Organisations</td>
<td>6</td>
</tr>
<tr>
<td>ECON948</td>
<td>Employers and Industrial Relations</td>
<td>8</td>
</tr>
<tr>
<td>ECON955</td>
<td>Comparative Studies in Industrial Relations</td>
<td>8</td>
</tr>
<tr>
<td>ECON956</td>
<td>Advanced Industrial Relations Processes</td>
<td>8</td>
</tr>
<tr>
<td>ECON957</td>
<td>Productivity and Labour</td>
<td>8</td>
</tr>
<tr>
<td>ECON973</td>
<td>Employers and Industrial Relations - A</td>
<td>8</td>
</tr>
<tr>
<td>ECON976</td>
<td>Advanced Topics in Industrial Relations - A</td>
<td>8</td>
</tr>
<tr>
<td>ECON977</td>
<td>Advanced Topics in Industrial Relations - B</td>
<td>8</td>
</tr>
<tr>
<td>ECON978</td>
<td>Advanced Topics in Industrial Relations - C</td>
<td>6</td>
</tr>
</tbody>
</table>

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Course Structures

LAW966 Studies in Industrial Law 6
LAW969 Occupational Health and Safety Law 6

Graduate Diploma In Commerce (Industrial Relations)

The purpose of this diploma is to provide graduate students who have not completed an Industrial Relations specialisation in their undergraduate degree with the opportunity for advanced study in Industrial Relations.

The Course Rules governing the Graduate Diploma will apply. The Graduate Diploma will normally occupy two sessions of full-time study or the part-time equivalent.

Program Of Study

Students must complete 48 credit points approved by the Head of Department including at least 24 credit points from the subjects listed below:

- ECON240 Industrial Relations B: Wage Determination 8
- ECON242 Industrial Relations A 8
- ECON243 Work and Employment Relations 8
- ECON340 Comparative Studies in Industrial Relations 8
- COMM341 International and Comparative Employment Relations 8
- ECON342 Research Topics in Industrial Relations 8
- ECON348 Employers and Industrial Relations 8
- ECON352 Industrial Relations Processes 8

Graduate Certificate in Industrial Relations

Program Of Study

Students must complete:

- ECON240 Industrial Relations B: Wage Determination in Australia 8
- ECON242 Industrial Relations A 8
- ECON352 Industrial Relations Processes 8

The Head of Department may approve the substitution of one or more industrial relations subjects for those listed above.

MANAGEMENT

Courses Offered

The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Commerce (Management)
- Honours Master of Arts by Coursework or Research
- Master of Commerce (Management)
- Master of Strategic Human Resource Management

Current Research Areas

The following areas of research are available to candidates undertaking research degrees:

- Business Ethics
- Competitive Strategy
- Cross Cultural Management
- Employment Relations
- Entrepreneurship
- Human Resource development
- Human resource Management
- Innovation and Management
- International and Comparative Human Resource Management
- International Business Strategy
- International Management
- Management of Change
- Organisational Analysis/Behaviour/Processes
- Quality Management
- Production and Operations Management
- Public Policy and Management
- Small to Medium Enterprises (SME)
- Strategic Planning and Policy
- Technology and Management

Doctor of Philosophy

Candidates for this degree enrol in MGMT991 Major Theses (48 credit points). Candidates should refer to the University's general PhD Rules.

Honours Master of Commerce (Management)

1) a) Candidates who have completed the requirements for the award of the Bachelor of Commerce (Honours) in Accountancy, Economics, Management, or Marketing at a standard of Class II, Division 2 or higher, or an equivalent degree, may qualify for the award of the Master of Commerce (Honours) degree by completing at honours standard any one of the following courses of study.
Faculty of Commerce

i) Thesis (48 credit points),

or

ii) A combination of thesis and coursework as approved by the Head of Department of Management which fulfils the requirements of the Honours Master of Commerce program.

b) Subjects are to be selected from 900-level subjects offered by the Department of Management and subjects offered by other Departments with which Management offers joint degree programs; provided that:

i) A combination of subjects may be approved by the Heads of the relevant units, and

ii) Subjects aggregating not more than 12 credit points may be selected from those offered by other Departments, where approval is given by the Heads of the respective Departments

c) A candidate may not include for this degree subjects similar in content to subjects included in the honours part of the undergraduate course.

2) Candidates holding the combined Bachelor of Commerce(Honours) degree including the compulsory 400-level subjects aggregating 30 credit points may proceed to the 48 credit point Master of Commerce(Honours) degree; other candidates (with the combined Honours degree who have not completed all the compulsory subjects) will be required to complete any of the compulsory subjects plus subjects aggregating 48 credit points.

3) Candidates required to undertake a preliminary program or required to complete designated subjects at an appropriate standard in accordance with the Honours Master Rules may have their enrolment cancelled in the event that the preliminary program of designated subjects is not completed at the appropriate standard.

Compulsory subjects for students not holding an Honours degree in Management or similar and undertaking a 96 credit point Masters degree are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT986</td>
<td>Special Topic A</td>
<td>12</td>
</tr>
<tr>
<td>MGMT987</td>
<td>Special Topic B</td>
<td>12</td>
</tr>
<tr>
<td>MGMT988</td>
<td>Special Topic C</td>
<td>12</td>
</tr>
<tr>
<td>MGMT989</td>
<td>Special Topic D</td>
<td>12</td>
</tr>
<tr>
<td>MGMT991</td>
<td>Major Thesis</td>
<td>48</td>
</tr>
</tbody>
</table>

For students with an Honours degree or equivalent, an agreed combination of course work from the list of 900-level subjects offered by the Department of Management and the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT990</td>
<td>Minor Thesis</td>
<td>24</td>
</tr>
</tbody>
</table>

Honours Master of Arts

1) a) Candidates who have completed at an acceptable standard the requirements for the award of the Bachelor of Arts(Honours) in Accountancy, Economics or Management at a standard of Class II, Division 2 or higher, or an equivalent degree, may qualify for the award of the Master of Arts (Honours) degree by completing at honours standard any one of the courses of study listed below under the Honours Master of Commerce degree.

b) See corresponding comments under the Honours Master of Commerce degree, Management. Compulsory subjects for students not holding an Honours degree in Management or similar and undertaking a 96 credit point Masters degree.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT986</td>
<td>Special Topic A</td>
<td>12</td>
</tr>
<tr>
<td>MGMT987</td>
<td>Special Topic B</td>
<td>12</td>
</tr>
<tr>
<td>MGMT988</td>
<td>Special Topic C</td>
<td>12</td>
</tr>
<tr>
<td>MGMT989</td>
<td>Special Topic D</td>
<td>12</td>
</tr>
<tr>
<td>MGMT991</td>
<td>Major Thesis</td>
<td>48</td>
</tr>
</tbody>
</table>

For students with an Honours degree or equivalent, an agreed combination of course work from the list of 900-level subjects offered by the Department of Management and the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT990</td>
<td>Minor Thesis</td>
<td>24</td>
</tr>
</tbody>
</table>

Master of Commerce (Management)

The purpose of this pass degree is to provide graduate students, who have completed a Bachelor of Commerce, Bachelor of Business degree or equivalent, normally at a credit average level or above, from a recognized University or equivalent tertiary institution, with the opportunity of further in-depth study of advanced topics in management. The degree of 48 credit points may be studied full-time over one year, or may be studied part-time.

A wider range of programs can be made available, depending upon student interest and demand. In particular, work related research programs can be designed.

Candidates who do not have a Bachelor of Commerce or Bachelor of Business but have successfully completed a degree, will be required to study an extra 24 credit points of 900-level subjects offered by the Department of Management.

Students can choose eight subjects from any of the following, subject to demand:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT908</td>
<td>Human Resource Development and the Learning Organisation</td>
<td>6</td>
</tr>
<tr>
<td>MGMT909</td>
<td>Export Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT911</td>
<td>Leadership and Team Dynamics</td>
<td>6</td>
</tr>
<tr>
<td>MGMT913</td>
<td>Global and Comparative Human Resource Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT915</td>
<td>Leading Organisations: framing the management of change</td>
<td>6</td>
</tr>
<tr>
<td>MGMT916</td>
<td>Management and Employment Relations</td>
<td>6</td>
</tr>
<tr>
<td>MGMT920</td>
<td>Organisational Analysis</td>
<td>6</td>
</tr>
<tr>
<td>MGMT940</td>
<td>Innovation and Entrepreneurship</td>
<td>6</td>
</tr>
<tr>
<td>MGMT941</td>
<td>Small Business Management I</td>
<td>6</td>
</tr>
<tr>
<td>MGMT946</td>
<td>Personal Learning: The Reflective Manager</td>
<td>6</td>
</tr>
</tbody>
</table>
Course Structures

MGMT949 Performance Management 6
MGMT953 Human Resource Management 6
MGMT963 Management of Occupational Health and Safety 6
MGMT969 Job Analysis, Recruitment and Selection 6
MGMT978 Cross Cultural Management 6
MGMT983 Leading Organisations: Politics, Power and Change Agency 6
MGMT984 Global Business Regulation 6

Master of Strategic Human Resource Management

This course work degree has been designed to provide students with in depth study of advanced topics in Strategic Human Resource Management. 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, together with more traditional areas of concern will equip the successful graduate with advanced Human Resource Management skills for the organisation in the 21st Century.

Entry Requirement

Candidates are required to have a first degree in a relevant area. Applicants without a relevant degree will be required to undertake additional subjects as agreed by the Course Coordinator. Applicants without a degree but with a minimum of five years experience in a Human Resource Management context will be considered and will undertake additional subjects as agreed by the Course Coordinator.

Program of Study

Choose eight subjects from any of the following, following consultation with the Course Coordinator:

MGMT908 Human Resource Development and the Learning Organisation 6
MGMT911 Leadership and Team Dynamics 6
MGMT913 Global and Comparative Human Resource Management 6
MGMT915 Leading Organisations: framing the management of change 6
MGMT916 Management and Employment Relations 6
MGMT930 Strategic Human Resource Management 6
MGMT946 Personal Learning: The Reflective Manager 6
MGMT949 Performance Management 6
MGMT963 Management of Occupational Health and Safety 6
MGMT969 Job Analysis, Recruitment and Selection 6
MGMT978 Cross Cultural Management 6
MGMT983 Leading Organisations: Politics, Power and Change Agency 6

Students may substitute any one of the above subjects with another of equal credit weighting, following the approval of the Course Coordinator.

MARKETING

Courses Offered

Doctor of Philosophy
Honours Master of Commerce (Marketing)
Master of Commerce (Marketing)
Graduate Diploma of Commerce (Marketing)
Graduate Certificate in Marketing

Current Research Areas

The following areas of research are available to candidates undertaking research degrees.

Advertising
Consumer Behaviour
Customer Satisfaction
International Marketing
Internet Marketing
Marketing Communication
Marketing Research
New Products Marketing
Professional Services Marketing
Relationship Marketing
Strategic Planning and Marketing
Sales Management
Services Marketing

Doctor of Philosophy

Candidates should refer to the University's general PhD Rules. Candidates for this degree enrol in the subject MARK991 Major Thesis.

Honours Master of Commerce (Marketing)

Candidates who have completed the requirements for the award of the Bachelor of Commerce (Honours) in Accountancy, Economics, Management, or Marketing at a standard of Class II, Division 2 or higher, or an equivalent degree, may qualify for the award of the Master of Commerce (Honours) degree by completing at honours standard any one of the following courses of study.

i) Thesis (48 credit points),

ii) A combination of thesis and coursework as approved by the Head of Department, Marketing, which fulfils the requirements of the Honours Master of Commerce program.
A candidate may not include for this degree subjects similar in content to subjects included in any previous degree course.

**Master of Commerce (Marketing)**

The purpose of this degree is to provide graduate students, who have completed a Bachelor of Commerce, BBus degree or equivalent, normally at a credit average level or above, with the opportunity of further in-depth study of advanced topics in Marketing.

The degree of 48 credit points may be studied full-time over one year, or may be studied part-time.

Candidates who do not have a Bachelor of Commerce or BBus but have successfully completed Marketing/Commerce subjects to second year level in their undergraduate degree, which must normally have been completed at a level of credit average or higher, may be permitted to study for the degree provided they first pass a program of 24 points of 200 or 300 or 900-level "Commerce" subjects approved by the Master of Commerce Course Director or Head of Department. Thus the total credit points required for these candidates is 72.

**Program Of Study**

Subjects to be taken from the following list after discussion and approval from the Marketing Master of Commerce Director:

- MARK001 Marketing on the Internet 6
- MARK017 Business to Business Marketing 6
- MARK022 Marketing Management 6
- MARK035 Marketing Strategy 6
- MARK036 Consumer Behaviour 6
- MARK037 Relationship Marketing 6
- MARK038 Managing Services Marketing 6
- MARK039 Contemporary Issues in International Marketing 6
- MARK040 Advertising and Promotions Strategy 6
- MARK056 New Product Marketing 6
- MARK057 International Marketing Strategy 6
- MARK059 Sales Management 6
- MARK070 Contemporary Issues in Services Quality 6
- MARK077 Research for Marketing Decisions 6
- MARK097 Retail Marketing Management 6

**Program of Study**

Subjects to be taken from the following list after discussion and approval from the Marketing Postgraduate Director:

- MARK217 Consumer Behaviour 6
- MARK239 Information for Marketing Decisions 6
- MARK319 Applied Marketing Research 6
- MARK333 Advertising and Promotion Strategy 6
- MARK343 International Marketing 6
- MARK397 Retail Marketing Management 6
- MARK399 Managing Services Marketing 6
- MARK400 Contemporary Issues in International Marketing 6
- MARK401 Advertising and Promotions Strategy 6
- MARK406 New Product Marketing 6
- MARK459 Sales Management 6
- MARK470 Contemporary Issues in Services Quality 6
- MARK497 Retail Marketing Management 6
- MARK492 Marketing Management 6
- MARK496 Consumer Behaviour 6
- MARK497 Information for Marketing Decisions 6
- MARK533 Applied Marketing Research 6
- MARK543 International Marketing 6
- MARK597 Retail Marketing Management 6
- MARK599 Managing Services Marketing 6
- MARK600 Contemporary Issues in International Marketing 6
- MARK601 Advertising and Promotions Strategy 6
- MARK606 New Product Marketing 6
- MARK659 Sales Management 6
- MARK670 Contemporary Issues in Services Quality 6
- MARK677 Retail Marketing Management 6
- MARK692 Marketing Management 6
- MARK696 Consumer Behaviour 6

**Note:** Some subjects have pre-requisites. Check subject descriptions for Details

**Graduate Certificate in Marketing**

Entrants to this degree should hold a three year Bachelor's degree or equivalent from a recognised University or tertiary institution. Applicants holding other acceptable academic or professional qualifications (such as TAFE qualifications) with relevant work experience of at least three years may be admitted. Applicants without a qualification, but with substantial (a minimum of five years) relevant work experience may also be admitted. On successful completion of this Graduate Certificate, students will be eligible to apply for the Master of Commerce (Marketing) degree or the Master of Business Administration (MBA) degree.

**Program of Study**

The Graduate Certificate in Marketing will consist of 4 subjects from the Graduate Diploma of Commerce (Marketing) subjects listed below, including:

- MARK222 Marketing Management 6

and also including at least one additional 900-level subject.

- MARK217 Consumer Behaviour 6
Course Structures

MARK239 Information for Marketing Decisions 6
MARK240 Marketing and Consumer Behaviour in East and South-East Asia 6
MARK319 Applied Marketing Research 6
MARK333 Advertising and Promotion Strategy 6
MARK343 International Marketing 6
MARK397 Retail Marketing Management 6
MARK901 Marketing on the Internet 6
MARK917 Business to Business Marketing 6
MARK922 Marketing Management 6
MARK935 Marketing Strategy 6
MARK936 Consumer Behaviour 6
MARK937 Relationship Marketing 6
MARK938 Managing Services Marketing 6
MARK939 Contemporary Issues in International Marketing 6
MARK940 Advertising and Promotions Strategy 6
MARK956 New Product Marketing 6
MARK959 Sales Management 6
MARK970 Contemporary Issues in Services Quality 6
MARK997 Retail Marketing Management 6

MARK922 must be taken in the first session; pre-requisites for the undergraduate-level subjects will then be waived. Note: Some subjects have pre-requisites. Check subject descriptions for details.

GRADUATE SCHOOL OF BUSINESS AND PROFESSIONAL DEVELOPMENT

The Graduate School of Business and Professional Development manages a broad variety of courses relevant to the changing world of business and management. These include Master degree programs in Business Administration, International Business and Logistics and Operations Management. The Graduate School of Business and Professional Development also delivers a range of related executive development courses and in house programs tailored to meet client organisation's specifications. The School also works closely with the Faculties of Health and Behavioural Sciences, Informatics, Commerce, Engineering and Education to deliver a range of cross faculty/graduate degree programs (for details on these programs please refer to the relevant Faculty entry).

The Graduate School of Business and Professional Development has two key operational units, the University of Wollongong - Graduate School of Business and Professional Development and the Sydney Business School. Programs are delivered at campuses in Wollongong, Sydney and Dubai. The School also has educational partnerships with off shore providers in Singapore and Malaysia.

Mode Offered

Programs offered through the University of Wollongong - Graduate School of Business and Professional Development and the Sydney Business School are undertaken on a full-time or part-time basis.

International students must study on a full-time basis. Subjects are offered in modular, flexible delivery mode in Wollongong and Sydney.

The School has offered specific tailored courses leading to Graduate Certificate, Graduate Diploma or Masters degrees for corporate clients.

Postgraduate Courses Available in 2001:

<table>
<thead>
<tr>
<th>Program</th>
<th>Available Through</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Business Administration</td>
<td>Graduate School of Business and Professional Development, University of Wollongong, Sydney Business School</td>
</tr>
<tr>
<td>Master of International Business</td>
<td>Graduate School of Business and Professional Development, University of Wollongong, Sydney Business School</td>
</tr>
<tr>
<td>Master of Logistics and Operations Management</td>
<td>Graduate School of Business and Professional Development, University of Wollongong, Sydney Business School</td>
</tr>
<tr>
<td>Graduate Diploma in Business Administration</td>
<td>Graduate School of Business and Professional Development, University of Wollongong, Sydney Business School</td>
</tr>
<tr>
<td>Graduate Certificate in Business Administration</td>
<td>Graduate School of Business and Professional Development, University of Wollongong, Sydney Business School, Distance Education</td>
</tr>
</tbody>
</table>

Executive Training

An extensive range of tailored executive training and development programs for a wide range of organisations in the public and private sectors are offered by the Business School. Client-based programs are available in the following areas:

Change Management
Quality Management
Financial Management
Marketing Management
Supply Chain Management
Strategic Policy and Planning
Services Management
Project Planning and Management
Public Sector Marketing
Customer Satisfaction
EEO and Diversity Management
Negotiation and Conflict Resolution
Employment Law
Master of Business Administration

Course Description

This degree is designed for those who require the knowledge, competencies and managerial skills necessary to operate in a challenging and changing global environment. The program of study requires a commitment to teamwork and enthusiasm to achieve. Candidates are required to complete 14 subjects. The first part of the program offers an introduction to the key managerial concepts and skills required of the modern manager. These subjects provide a foundation for the core and elective subjects that follow.

The Master of Business Administration (MBA) program is designed to enable candidates to undertake four elective subjects in a specialised area of interest. Alternatively students may use their electives as an opportunity to study generally across a wide range of advanced management issues. It is expected that the compulsory foundation and core subjects will be studied first, followed by the elective units.

The program comprises six compulsory subjects, plus two elective subjects. The elective stream within the International Business program is designed to allow candidates to focus their studies into a thematic area of interest. The Graduate School of Business and Professional Development aims to offer busy professionals the flexibility to choose the mode most suited to their circumstances.

The degree is awarded at either Pass or Merit level. For award at Merit level, a student must satisfactorily pass all subjects at the first attempt and maintain a grade average across all subjects of 70% or higher.

Candidates are required to complete 14 subjects at 900 level according to the sequence of study listed below. The first section of the program offers an introduction to key managerial concepts and the skills required of the modern manager, providing a foundation for the core and elective subjects that follow.

Foundation Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBS901</td>
<td>Accounting for Managers</td>
</tr>
<tr>
<td>WBS902</td>
<td>Statistics for Decision Making</td>
</tr>
<tr>
<td>WBS903</td>
<td>Managing People in Organisations</td>
</tr>
<tr>
<td>WBS904</td>
<td>Marketing Management</td>
</tr>
<tr>
<td>WBS905</td>
<td>Economic Analysis of the Business Environment in Australia and Asia</td>
</tr>
<tr>
<td>WBS906</td>
<td>Information Systems for Managers</td>
</tr>
</tbody>
</table>

Core Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBS907</td>
<td>Financial Strategy</td>
</tr>
<tr>
<td>WBS908</td>
<td>Supply Chain Management Strategy</td>
</tr>
<tr>
<td>WBS920</td>
<td>International Business Strategy</td>
</tr>
<tr>
<td>WBS921</td>
<td>Strategic Decision Making</td>
</tr>
</tbody>
</table>

Elective Units:

Four subjects selected from other 900 level Graduate School of Business and Professional Development or Faculty of Commerce subjects or any other 900 level subject, as approved by the MBA Course Co-ordinator or Deputy-Director of the Graduate School of Business and Professional Development.

Note: Students undertaking the program through the Sydney Business School will have a restricted range of electives available.

Entry Requirements:

Applicants must possess an Australian equivalent undergraduate degree from a recognised university or institution of equivalent standing with a grade average of at least 60%.

Applicants holding a relevant undergraduate degree from a recognised university or institution of equivalent standing with a grade average between 50% and 59% may also be admitted, provided that they have completed a minimum of two years full-time relevant work experience, post graduation.

In special circumstances, applicants who hold other academic or professional qualifications and have a minimum of five years full-time, or ten years part-time, relevant work experience, may be granted admission to the program.

Applicants must meet the University's English Language requirements.

Note: Due to different entry criteria and programs of study, students will not be permitted to transfer between the MBA and Master of Commerce programs.

Articulation:

Articulation from the MBA to a range of other eight subject Masters programs is possible (e.g. the Master of International Business) with completion of a minimum of four subjects depending on the student's sequence of study. Approval is required by the relevant Course Co-ordinator or Deputy-Director of the Business School.

Alternatively, candidates who have successfully completed a selected range of eight subject Masters programs from the Faculties of Commerce, Health and Behavioural Sciences, Informatics, Engineering and Education who fully satisfy the entry criteria for the Master of Business Administration, may apply to enrol in the MBA program with eight subjects of advanced standing. These candidates who progress to the MBA will be required to successfully complete a further seven subjects of study at 900 level approved by the MBA Course Co-ordinator.

Master of International Business

Course Description

The Master of International Business (MIB) program is primarily designed for new graduates about to embark on their first line managerial position. It is also suitable for experienced managers who wish to enhance their knowledge and expertise in global management issues.

The MIB is a 12 to 18 month full-time or 24 to 36 months part-time course, at both Wollongong and Sydney and is offered on a flexible, modular basis.

In both Business Schools, students may take subjects in a variety of modes, that includes on-campus, intensive sessions and on approval via distance education. The Graduate School of Business and Professional Development aims to offer busy professionals the flexibility to choose the mode most suited to their circumstances.

In both Business Schools, students may take subjects in a variety of modes, that includes on-campus, intensive sessions and on approval via distance education. The Graduate School of Business and Professional Development aims to offer busy professionals the flexibility to choose the mode most suited to their circumstances.

This degree is awarded at either Pass or Merit level. For award at Merit level, a student must satisfactorily pass all subjects at the first attempt and maintain a grade average across all subjects of 70% or higher.

Candidates are required to complete 14 subjects at 900 level according to the sequence of study listed below. The first section of the program offers an introduction to key managerial concepts and the skills required of the modern manager, providing a foundation for the core and elective subjects that follow.

Foundation Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBS901</td>
<td>Accounting for Managers</td>
</tr>
<tr>
<td>WBS902</td>
<td>International Financial Analysis and Decision Making</td>
</tr>
<tr>
<td>WBS903</td>
<td>Employment Relations in an International Context</td>
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</tbody>
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Note: Students undertaking the program through the Sydney Business School will have a restricted range of electives available.

Entry Requirements:

Applicants must possess an Australian equivalent undergraduate degree from a recognised university or institution of equivalent standing with a grade average of at least 60%.

Applicants holding a relevant undergraduate degree from a recognised university or institution of equivalent standing with a grade average between 50% and 59% may also be admitted, provided that they have completed a minimum of two years full-time relevant work experience, post graduation.

In special circumstances, applicants who hold other academic or professional qualifications and have a minimum of five years full-time, or ten years part-time, relevant work experience, may be granted admission to the program.

Applicants must meet the University's English Language requirements.

Note: Due to different entry criteria and programs of study, students will not be permitted to transfer between the MBA and Master of Commerce programs.

Articulation:

Articulation from the MBA to a range of other eight subject Masters programs is possible (e.g. the Master of International Business) with completion of a minimum of four subjects depending on the student's sequence of study. Approval is required by the relevant Course Co-ordinator or Deputy-Director of the Business School.

Alternatively, candidates who have successfully completed a selected range of eight subject Masters programs from the Faculties of Commerce, Health and Behavioural Sciences, Informatics, Engineering and Education who fully satisfy the entry criteria for the Master of Business Administration, may apply to enrol in the MBA program with eight subjects of advanced standing. These candidates who progress to the MBA will be required to successfully complete a further seven subjects of study at 900 level approved by the MBA Course Co-ordinator.
Course Structures

WBS982 Advertising and Marketing in a Global Economy
WBS983 International Economic Environment for Business
WBS984 International Business Strategy

plus 2 elective subjects at 900 level to be approved by the MIB Course Co-ordinator.

* Students with a strong background in Accounting and/or Finance may be permitted to undertake an additional elective in lieu of WBS979.

The degree will be awarded at either Pass or Merit level. For award at Merit level, a student must successfully pass all subjects at the first attempt and maintain a grade average across all subjects of 70% or higher.

Entry Requirements:

Candidates are required to have an undergraduate degree from a recognised university or institution of equivalent standing. In special circumstances, applicants holding other academic or professional qualifications and with a minimum of four years full-time or eight years part-time relevant work experience may be granted admission to the program by the MIB Course Co-ordinator.

Where candidates hold other academic or professional qualifications but have no work experience, admission to the program may be granted by the Course Co-ordinator following successful completion of an extended (96 credit point) program.

In the case of candidates from the People's Republic of China, in addition to the entry requirements listed above or the MIB, students may also be admitted with a three year diploma from a recognised institution in a recognised academic discipline base (this excludes vocational studies) PLUS five years managerial work experience, as evidenced by a certified transcript of work history.

Applicants who hold a recognised two year degree from the Indian Sub-Continent, and with a minimum of two years relevant work experience as evidenced by a certified transcript of work history may be granted admission to the 96 credit point Master of International Business.

In addition to completing the standard University application form, candidates are required to submit a certified copy of their academic transcript(s). Applicants must meet the University's English language requirements.

Articulation to the Master of Business Administration:

Candidates who have successfully completed the Master of International Business, and who fully satisfy the entry criteria for the Master of Business Administration, may apply to enrol in the MBA program.

MIB candidates who progress to the MBA will be required to successfully complete a further seven subjects at 900 level, according to the sequence of study listed below. (If students have completed any of the listed subjects as MIB electives then the Course Co-ordinator will advise on appropriate substitutes):

WBS901 Accounting for Managers
WBS902 Statistics for Decision Making
WBS904 Marketing Management
WBS906 Information Systems for Managers
WBS907 Financial Strategy
WBS908 Supply Chain Management Strategy
WBS921 Strategic Decision Making

Master of Logistics and Operations Management

Course Description

This course provides senior managers with knowledge of logistics and operations management theory and practice. It is an extension of existing operations management teaching and research and has been specifically designed to provide an approved program of study for managers within the manufacturing, transport, service and retailing industries.

Through the University of Wollongong - Graduate School of Business and Professional Development, the Master of Logistics and Operations Management may be completed over 12 to 18 months of full-time study or 24 to 36 months of part-time study and is offered on a flexible, modular basis.

Through the Sydney Business School, the Master of Logistics and Operations Management program may be completed over 24 to 36 months of part-time study and is offered on a flexible, modular basis.

Candidates are required to complete 8 subjects at 900 level according to the sequence of study listed below:

WBS901 Accounting for Managers
WBS908 Supply Chain Management Strategy
WBS925 Inventory Management
WBS928 Transport Logistics Management
WBS929 Management of Process Innovation
WBS930 Production and Operations Management
WBS933 Procurement Policy and Management

and either:

WBS926 Manufacturing Management
or:

WBS932 Service Operations

The degree will be awarded at either Pass or Merit level. For award at Merit level, a student must satisfactorily pass all subjects at the first attempt and maintain a grade average across all subjects of 70% or higher.

Entry Requirements:

Candidates are required to have an undergraduate degree from a recognised university or institution of equivalent standing. In special circumstances, applicants holding other qualifications and with a minimum of five years full-time relevant work experience may be granted admission to the program by the Course Co-ordinator or Deputy Director.

In addition to completing the standard University application form, candidates are required to submit a certified copy of their academic transcript(s). Applicants must meet the University's English language requirements.
Articulation:
Master of Logistics and Operations Management candidates who have successfully completed their program, may enrol in the MBA program receiving full credit for their studies to date. Those interested in extending their studies should contact the MBA Course Co-ordinator or Deputy Director of the Graduate School of Business and Professional Development.

Graduate Diploma in Business Administration

Course Description
Candidates who wish to undertake a Business Administration program of shorter duration than the MBA may enrol in the Graduate Diploma in Business Administration.

The objective of the Graduate Diploma program is to provide practicing managers with an understanding of the core issues of management skills and concepts. The core subjects covered in the Graduate Diploma provide postgraduate level education with an applied emphasis in the major functional areas of management and administration. Subjects are offered in a modular format. The program requires that each candidate completes six foundation and two core subjects of the MBA.

Through the University of Wollongong - Graduate School of Business and Professional Development, the Graduate Diploma may be completed over 12 months of full-time study or 24 months of part-time study.

Through the Sydney Business School, the Graduate Diploma may be completed over 24 months of part-time study.

Candidates are required to complete eight subjects at 900 level, according to the sequence of study listed below.

WBS901 Accounting for Managers
WBS902 Statistics for Decision Making
WBS903 Managing People in Organisations
WBS904 Marketing Management
WBS905 Economic Analysis of the Business Environment in Australia and Asia
WBS906 Information Systems for Managers

Plus two of the following:
WBS907 Financial Strategy
WBS908 Supply Chain Management Strategy
WBS920 International Business Strategy
WBS921 Strategic Decision Making

Entry Requirements:
As for the Master of Business Administration.

Course Approval:
The program of study for each student must be approved by the MBA Course Co-ordinator.

Graduate Certificate in Business Administration

Course Description
Candidates who wish to undertake a Business Administration program of shorter duration than the MBA or the Graduate Diploma in Business Administration may enrol in the Graduate Certificate in Business Administration.

The objective of the Graduate Certificate is to provide a meaningful introductory study of the concepts of management and management practice, and is structured to allow for different programs of study, including off-campus programs for employment and professional groups.

The Graduate Certificate is intended to be completed over 6 months of full-time study or 12 months of part-time study. The program requires that each candidate complete four of the six foundation subjects for the MBA. Subjects are offered in a modular format. Applicants from non-degree backgrounds but with work experience are encouraged to apply for the Graduate Certificate, successful completion may lead to entry to the MBA.

Through the University of Wollongong - Graduate School of Business and Professional Development, the Graduate Certificate may be completed over 6 months of full-time study or 12 months of part-time study.

Through the Sydney Business School, the Graduate Certificate may be completed over 12 months of part-time study. Candidates are required to complete four subjects at 900 level, selected from the subjects listed below.

WBS901 Accounting for Managers
WBS902 Statistics for Decision Making
WBS903 Managing People in Organisations
WBS904 Marketing Management
WBS905 Economic Analysis of the Business Environment in Australia and Asia
WBS906 Information Systems for Managers

Entry Requirements:
As for the Master of Business Administration. However, non-degree applicants with significant work experience are encouraged to apply.

Course Approval:
The program of study for each student must be approved by the MBA Course Co-ordinator.
ACCOUNTING AND FINANCE

ACCY850  Public Sector Financial Management and Controls  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

ACCY901  Accounting for Managers  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ACCY101, ACCY190 or ACCY100 and ACCY102
Assessment: See Subject Program
Subject Description: The interpretation and utilisation of the major types of reports and analyses prepared by accountants for management decision making.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring 3 hours Wollongong On Campus
Autumn 3 hours Wollongong On Campus

ACCY903  Accounting Theory  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The nature of theory, research and theory formation. A study of the methods used in theory formation, and of attempts to formulate theories of accounting and finance.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn n/a Wollongong On Campus

ACCY904  Financial Accounting  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An in-depth study of the basis of external financial reporting, including asset valuation and periodic profit measurement. A study of the elements of financial accountancy and their communication in accounting reports.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery hours method
Autumn n/a Wollongong On Campus

ACCY905  International Accounting  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong On Campus

ACCY906  Issues in Financial Accounting  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Contemporary issues in financial reporting to external parties, including accounting for different classes of assets, liabilities and equities. Legal, institutional and professional reporting requirements including proposals for improvement in accounting principles applied in practice.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

ACCY907  Empirical Research Methods in Accounting  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The subject provides an overview of the ways accounting and finance researchers identify, formulate and investigate empirical questions in accounting and finance. Subjects include the criteria adopted to select research projects, issues of experimental design, validity threats, measurement problems and statistical analysis. Selected published accounting and finance research will be used to illustrate established methods of empirical research.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn n/a Wollongong On Campus
ACCY908 Applied Financial Accounting  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Advanced problems in external financial reporting, including accounting for groups of companies, price level accounting and reporting theory involving consideration of taxation and economic implications.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
Spring  n/a  Wollongong  On Campus

ACCY909 Comparative Accounting Systems  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An in-depth examination of the patterns of accounting development in different national political environments. Key variables determining the differential accounting development patterns and their implications, in particular, for multinational reporting, will be critically evaluated. Approaches for resolving the problems posed by the diversity of accounting systems will also be considered.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
n/a

ACCY910 Issues in International Accounting  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Specific current issues that may be examined in-depth include harmonisation of accounting standards and practices, foreign currency accounting, internal control and performance evaluation problems in foreign subsidiaries, and international transfer pricing problems. Content may be revised subject to the currency of specific issues and in light of student interests.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
n/a

ACCY913 Management Accounting  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The conceptual basis of management accounting and information systems. An examination of traditional and alternative theories and approaches shaping organisational and behavioural aspects of management accounting, including the contingency approach, the agency approach, control system theories, activity based accounting and critical accounting approaches.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
Autumn  n/a  Wollongong  On Campus

ACCY914 Management Planning and Control Systems  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An in-depth analysis of selected aspects of the design and evaluation of management accounting, planning and control systems in both the private and public sectors.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
Autumn  2 hours  Wollongong  On Campus

ACCY916 Studies in Controllership  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The role and functions of the Chief Accounting Officer. Designing, installing and managing accounting systems - both financial and managerial. Specific problem areas in controllership, as depicted in selected case studies.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
n/a

ACCY918 Applied Management Accounting  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An in-depth applied analysis of selected topics in management accounting. Topics chosen could include decision theory and analysis, financial model building, cost prediction and control techniques, pricing, management accounting systems design, and the interrelationships between management and the management accounting system. Theoretical concepts developed in other management accounting subjects will be expanded as needed to support the complex applications being studied.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
Spring  n/a  Wollongong  On Campus

ACCY921 Managerial Finance  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Subject Descriptions

ACCY922 Investment Analysis 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: An in-depth study of investments and investment decision analysis. The theoretical bases of asset pricing and net present value. The application of investment selection criteria under diverse conditions and in different market settings. The incorporation of risk into investment decision analysis and a study of the application of capital asset pricing models in investment evaluation.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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ACCY923 Investment Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The subject examines some advanced topics in the modern theory of optimal investment decision-making, portfolio theory, capital and derivative markets. The subject will explore areas including; market efficiency models in valuing portfolios and securities, bond analysis, portfolio management and performance evaluation. The subject will provide a theoretical framework within which all derivative securities can be valued and hedged and also examine the way they are traded.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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ACCY924 Corporate Financial Information Analysis 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A survey of methods for the appraisal and prediction of corporate financial performance from such publicly available information as accounting numbers, industry and economic statistics, and stock market data. Equal emphasis is placed upon the development of theoretical constructs, and appraisal of the results of empirical research, especially Australian studies.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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ACCY925 Banking Theory and Practice 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: See Subject Program

Subject Description: This subject focuses on accounting aspects of the practices and operations of banks and other financial institutions. It entails comprehensive discussions on issues that are commonly involved within the banking environment such as the regulatory structure, the cheque clearing system, risk management, lending issues, capital adequacy analysis and the latest information technology within the banking world.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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ACCY926 Studies In Business Finance 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: See Subject Program

Subject Description: Contemporary business finance theory, including option pricing theory, arbitrage pricing model, bond swapping and bond immunisation.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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ACCY928 Multinational Financial Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The role of multinationals in international investment; aspects of the international monetary system; Euromarkets; foreign exchange markets; internal and external exposure management techniques; currency futures and options; swaps; financing; MNC investment; MNC investment decision making; political risk analysis; international taxation.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Spring n/a Wollongong On Campus

ACCY929 Risk, Development and Venture Capital 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Group Project 1 - 20%; Group Project 2 - 30%; Individual Essay - 35%; Seminar Presentations - 15%

Subject Description: This is a predominantly a research subject. The material covered includes the foundations and development of the risk capital industry, investment structures, investment decision making processes, deal structures and post investment involvement in entrepreneurial companies by venture capitalists. The risk capital industry has been promoted, by numerous governments, as a panacea for economic woes. This tendency, its rationale and the approaches taken for risk capital development internationally will also be discussed.

Subject Objectives: Students who successfully complete this subject will be able to: 1. apply research and analytical skills to the assessment of societal, political, historical and other factors that impact on the development of an entrepreneurial culture within an economy; 2. evaluate a country they know well in order to recommend an appropriate mix of programs useful in generating an entrepreneurial and risk taking financial sector; 3. effectively communicate their findings both orally and in written form.

Additional Information: It would be inappropriate to take this subject without a background in finance such as ACCY921 or equivalent. There is no text book, instead extensive reading lists are provided with the subject outline.

Text books: n/a

Session contact campus delivery hours method
Spring 2 hours Wollongong On Campus

ACCY931 Advanced Decision Support Systems 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject will examine the theoretical foundations for Decision Support Systems. Consideration will be given to architectural and environmental factors in designing Decision Support Systems. Practical accounting applications will be provided. Empirical studies and recent developments in business will be selected for in-depth review.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
n/a

ACCY933 Studies in Information Systems in Accounting 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: 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.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
n/a

ACCY936 Management and Information Systems 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The general principles of auditing applied to the audit of computer-based accounting systems and the use of computers as an auditing tool. Particular emphasis on the positive aspects of auditing and internal control, including their contribution towards improvements in: (a) management functions such as planning; and (b) the quality (both real and perceived) of information flows within an entity and between it and external parties.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
n/a
**ACCY944 Issues in Auditing**  
6 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: An in-depth examination of contemporary topics in auditing with emphasis on controversial and theoretical issues, including social and ethical issues, role of quantitative techniques in the audit function, continuous auditing concept, uncertainty reporting, audit performance evaluation, extension of attest function and public sector auditing.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
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**ACCY955 International Banking**  
6 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: The global impact of banking is the focus of this subject. The subject entails comprehensive discussions on issues that are commonly involved within the international banking environment such as the development of the international monetary system, deregulation of banks, methods of payment in international trade, the foreign markets, international lending and developments of new technology and its impact on the international banking sector.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
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**ACCY956 Banking, Lending and Securities**  
6 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: The criteria involved in the bank's lending process and the securities associated with such a process are the focus of this subject. The subject entails comprehensive discussions on issues of lending within the banking environment such as regulations of security offerings, principles of good lending, documents involved in lending, lending and the consumer credit code, new developments in lending and securities and its impact on the banking sector.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
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**ACCY961 Professional Practice - Accounting**  
6 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: Statements of Accounting Standards and Statements of Accounting Practice. Accounting Provisions of the Companics Act.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
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**ACCY962 Professional Practice-Auditing & Edp**  
6 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: Statements of Auditing Standards and Statements of Auditing Practice. EDP Systems and Controls.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
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**ACCY963 Professional Practice - Taxation**  
6 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
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**ACCY968 Insolvencies**  
6 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: Accounting and legal aspects of corporate and non-corporate insolvencies including liquidations & receivership, and the use of insolvency procedures as a management strategy.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
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**ACCY969 Financial Management For Health Services**  
6 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This subject investigates the movement away from the management of costs towards the management of value for money. As such, it is concerned with the measuring and monitoring of efficiency. Accounting tools will be used to investigate quality of care, outcome, utility, products, utilisation and resource allocation.  
Subject Objectives: n/a
ACCY973 History of Accounting Thought 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An examination of the environmental factors and processes by which accounting thought, practices and institutions originated and developed in the ancient, medieval and modern eras. Ancient accounts. Special-purpose account-keeping in the Middle Ages. Philosophy, influence and constraints of the double-entry system. Development of basic concepts of continuity, accrual accounting and limited liability. Impact of the Industrial Revolution and changing corporate environment on accounting development. Legislation and institutional influences on accounting.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus

ACCY974 Accounting Regulation 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An in-depth study of the regulation of accounting practice and procedures, the accounting profession and of measurement and disclosure in external financial reporting. This could include an examination of the consequences of regulation, alternative institutional arrangement for setting standards, the impact of accounting theory on standard setting, and a historical review of accounting regulation.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus

ACCY983 Studies in Government Accounting 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A detailed examination of selected areas in federal, state, regional or local government accounting.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
n/a

ACCY985 Special Topic in Accounting-A 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: 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 Head of the Department, taking into account the expertise of academic staff, including visiting staff, and the interest of students.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

ACCY986 Special Topic in Accounting-B 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: 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 Head of the Department, taking into account the expertise of academic staff, including visiting staff, and the interest of students.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

ACCY987 Special Topic in Finance 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This course provides an opportunity to study a topic of research interest within the theory and application of finance as it relates to (i) corporate finance and (ii) investments. The research will be completed under staff supervision and culminates in the production of a written report.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus

ACCY993 Research Essay 12 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An individual program determined in consultation with the Head of Department.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus
Spring n/a Wollongong On Campus
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<td>ACCY994 Project</td>
<td>12 cp</td>
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<td>ACCY995 Research Project</td>
<td>24 cp</td>
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<td>ACCY996 Thesis</td>
<td>48 cp</td>
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**ACCY994 Project**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** An individual program determined in consultation with the Head of Department.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a

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**ACCY995 Research Project**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** An individual program determined in consultation with the Head of Department.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a

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**ACCY996 Thesis**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** An individual program determined in consultation with the Head of Department.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a

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**ECON901 Monetary Economics 6 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** The subject is in two sections. The first focuses on a comparison of the monetary transmission mechanism and policy implications arising from the Classical, Keynsian, Monetarist and New Classical theories. The second section analyses the money supply and its control, and conduct of monetary policy, money in the open economy, inflation, the Australian financial system, and financial deregulation in Australia.

**Subject Objectives:** This subject is concerned with developing a thorough understanding of the major contemporary global economic transitions, including that of the formerly centrally planned economic systems in Central and Eastern Europe and in East Asia as they move towards market-oriented economies; the developed economies of Western Europe as they move towards ever more closer forms of trade, investment and financial integration; and the developing market economies of East Asia as they move towards a higher level of economic development. Countries which will be given particular focus include those of Vietnam, China, the Czech Republic, Poland, Hungary, Indonesia, Thailand, and Korea.

**Additional Information:** n/a

**Text books:** n/a

**Session**

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**ECON902 Advanced International Monetary Economics 6 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** Topics covered will include foreign exchange markets; banking and financial institutions; money supply, price level and international adjustment; international monetary system.

**Subject Objectives:** At the conclusion of this subject students will be able to: extend monetary analysis to an open economy framework; identify the various components of the balance of payments and explain the adjustment process of the balance of payments; evaluate the various approaches to the determination of exchange rates; identify some of the current key issues in international monetary economics; and analyse the problems in these areas.

**Additional Information:** n/a

**Text books:** n/a

**Session**

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**ECON903 Public Finance 6 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** This subject further develops topics encountered in the undergraduate Public Finance course. Particular emphasis will be placed on issues surrounding inter-govern-mental 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.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

**Session**

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**ECON904 Trade, Growth and Development 6 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** The following topics will be covered: The WTO as an international organisation; capital-skil complementarity; new investment and technical progress; concerns about the role of multinational corporations in trade and technology transfers; human development, economic democracy and shared growth; international economic institutions (IBRD,IMF, WlTO) and the national economies. Examples will be cited from developing and developed countries but recent Australian and Asian experience will be emphasised.

**Subject Objectives:** On completion of this subject, participants will be able to: 1 understand the emerging international trade rules under WlTO; 2 understand interactions between human capital, new investments and technical progress; 3 appreciate evaluate drivers of productivity growth and its benefit sharing; 4 view economic development strategy is constrained by freedom of choices.

**Additional Information:** n/a

**Text books:** n/a

**Session**

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**ECON906 History of Economic Thought 6 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** A subject 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.

**Subject Objectives:** The students will have an effective knowledge of the development of Economics and business thought. Student will be able to analyse different schools and contextualise the different schools to contemporary economic and business issues.

**Additional Information:** n/a

**Text books:** n/a

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**ECON907 Cost-Benefit Analysis 6 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** The main objective of the subject is to develop skills in appraising public sector (and other) investment projects. These skills are sought through the study and role of theory underlying cost-benefit analysis. The subject contains a practical component involving the appraisal of specific investment projects. Topics covered include: welfare economics; the derivation of analytical criteria for investment appraisal; the identification of benefits and costs; shadow prices for imperfect product and factor markets; unpriced goods and services;
Subject Description: Students who do well in this subject will know the relevant theory of cost-benefit analysis and be able to correctly apply the techniques of cost-benefit analysis. Specifically, students who complete this subject successfully will know, be able to explain and apply the concepts and methods of cost benefit analysis, including: the nature of cost benefit analysis including the relevant theory of economic welfare; the application of CBA in a mixed-market economy the identification and valuation of project benefits and costs; shadow pricing; concepts and measurement of social time preference; discount rates discounting methods and project selection criteria sensitivity analysis. Students who achieve a high grade in this subject will be able to analyze unfamiliar situations using appropriate cost benefit methods.

Additional Information: n/a

Text books: n/a

Session | contact | campus | delivery | method
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Spring | n/a | Wollongong | On Campus | n/a

ECON908 Advanced Topics in the Economics of Development 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The subject provides an in-depth analysis of development in the light of 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; role of capital; credit and institutions; international dimensions of development and development policy.

Subject Objectives: On successful completion of the requirements of this subject students will be able to: 1. distinguish between economic growth and economic development and learn to measure them; 2. identify and examine the major issues involved in strategies of economic growth according to the structuralist and neoclassical schools of thought; 3. appreciate and understand the complex and dynamic relationship between market and the State in the process of economic growth.

Additional Information: n/a

Text books: n/a

Session | contact | campus | delivery | method
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Autumn | n/a | Wollongong | On Campus | n/a

ECON909 Econometric Theory 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject deals with advanced topics in the theory and practice of econometrics and covers contemporary issues of modelling specification, estimation, testing, and forecasting. Much of the subject will be based on journal articles in which the current econometric issues have been discussed.

Subject Objectives: n/a

Text books: n/a

Session | contact | campus | delivery | method
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Spring | n/a | Wollongong | On Campus | n/a

ECON911 Advanced International Economics 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Aspects of some of the following topics are studied in depth: growth and trade; factor transfers (foreign investment); tariffs; import-substituting; industrialisation; foreign exchange market; internal and external balance (the two-gap model).

Subject Objectives: A student who completes this subject successfully will be able to address the above questions using a rigorous analytical framework and will be able to demonstrate ability to do so by solving problems, and presenting arguments in written and verbal form. The student will be able to recognize assertions, in the popular press and elsewhere, about international economics that are wrong and, more important, he or she will know why they are wrong. The student will be familiar with seminal articles in international trade theory and policy and will be able to understand articles currently being written in scholarly journals. The student who excels at this subject will be able to use the analytical tools developed in the subject to solve new problems and address issues in international trade theory and policy that are beyond the scope of this subject.

Additional Information: n/a

Text books: n/a

Session | contact | campus | delivery | method
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Spring | n/a | Wollongong | On Campus | n/a

ECON912 Labour Economics 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject will provide a comprehensive analysis of labour market issues using a range of economic theories. Special emphasis is placed on analysing the structural change in industries and occupations of the Australian labour market and selected overseas countries.

Subject Objectives: At the conclusion of this subject, students will be able to: identify and contrast the main schools of thought within labour economics analyse current labour market issues from the various perspectives select and use current labour market data for Australia and selected overseas countries demonstrate an understanding of the current labour market issues in Australia and selected overseas countries.

Additional Information: n/a

Text books: n/a

Session | contact | campus | delivery | method
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Autumn | n/a | Wollongong | On Campus | n/a

ECON913 Industrial Organisation 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A study of industrial organisation and performance, decision-making criteria and constraints affecting output and distribution of revenue, market behaviour, and matters of ownership and control of the unit organisation.

Subject Objectives: At the end of this subject, students will understand the nature of firms as they have developed historically in terms of their organisational structure and competitive behaviour. Understand how firms’ organisational structure is determined through interaction with competitive pressures within product markets. Understand the underlying forces causing changes in product markets and their impact on organisational structure and behaviour. Be able to apply this analysis to case studies of particular firms and industries. Obtain research and report writing skills applicable to applied economic research activities. Be able to critically evaluate national industry policies in response to identified market and corporate organisational characteristics prevailing in particular economies at the time.
ECON915 Electronic Commerce and the Economics of Information 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: On completion of this subject participants will be able to: 1. recognise the types of products traded electronically 2. evaluate the impact that electronic commerce has had on competition 3. analyse several areas of microeconomic theory which will be selected for advanced treatment. Within each topic contemporary applications will be explored after the development of a theoretical base.

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Autumn n/a Wollongong On Campus

ECON916 Economics of Education, Health and Welfare 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
n/a

ECON918 Economics of Health Care 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A survey of economic aspects of the Australian health care system. Topics covered will include the supply and demand for health services, health care delivery systems, health insurance, social statistics and medical decision making. Government policies influencing all aspects of health care will be analysed and evaluated.

Subject Objectives: On completion of this subject, participants should be able to: recognise the special features of health care markets; identify the major reasons for the increase in health care expenditure; and evaluate suggestions for containing or reducing expenditures; discuss the advantages and disadvantages of alternative health care delivery systems; appreciate the difficulties in trying to improve decision making in hospitals; identify the strengths and weaknesses of Medicare and the Pharmaceutical Benefits Scheme; understand the markets for health care professionals; and understand and be able to apply the appropriate methodology for the economic evaluation of a health care program.

Additional Information: Not to count with ECON917

Text books: n/a

Session contact campus delivery hours method
Autumn n/a Wollongong On Campus
Spring n/a Wollongong On Campus

ECON921 Econometric Models 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This is a subject on the foundations of econometric models. Both single-equation and simultaneous equation models will be studied. Emphasis is on suitable model building with economic content, on obtaining estimates with desirable properties, on testing procedures, on model evaluation and selection, and applications. Examples from current Australian econometric models will be critically examined.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Autumn n/a Wollongong On Campus

ECON933 Conflict and Cooperation 6 cp

Pre-requisites: ECON111 and ECON122
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A study of advanced topics in game theory. The objective of this subject is to build 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 settings incorporating risk and uncertainty, asymmetric and incompleteness 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.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Spring n/a Wollongong On Campus

ECON935 Advanced Managerial Economics and Operations Research 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Subject Description: A study of advanced quantitative techniques applicable to economic and managerial decision-making. This subject covers a wide range of quantitative analysis 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.

Subject Objectives: This subject develops and applies a variety of quantitative techniques to economic and managerial decisions. Its main objectives are: 1. To provide the students with skills to apply the techniques of quantitative analysis in all kinds of organizational decision-making situations. 2. To train the student to think in terms of models and to understand the relationships among the real-world problems and models. 3. To encourage the student to develop techniques for solving future economic and managerial problems.

Additional Information: n/a

Text books: n/a
Session  contact  campus  delivery  method
n/a
n/a

ECON936 Graduate Macroeconomics 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.

Subject Objectives: The aim of the course is to analyse the major factors which determine economic behaviour in the aggregate and to evaluate how alternative macroeconomic policies may improve economic performance. In doing so the course examines the major determinants of aggregate demand equilibrium, namely consumption and investment demands, international factors, monetary and fiscal policies are examined using this analytic structure to determine the effectiveness of these policies. Aggregate supply equilibrium is then analysed in terms of wages, prices and employment. The problems of inflation and unemployment are also considered along with possible wages policies. If time permits, longer term growth explanations of economic behaviour and associated policy prescriptions are briefly reviewed.

Additional Information: n/a

Text books: n/a
Session  contact  campus  delivery  method
n/a
n/a

ECON937 Graduate Microeconomics 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The subject provides the theoretical basis for analysis of a wide range of microeconomic issues and policies. Topics include demand and supply theory, consumer preference theory, theory of the firm; cost functions; market behaviour under perfect competition, monopoly, and imperfect competition; factor markets; general equilibrium theory, externalities and intertemporal choice and risk. The emphasis in these topics is on providing a theoretical foundation that is linked to empirical analysis and interpretation of real world problems.

Subject Objectives: The aim of the course is to analyse the major factors which determine economic behaviour in the aggregate and to evaluate how alternative microeconomic policies may improve economic performance. In doing so the course examines the major determinants of aggregate demand equilibrium, namely consumption and investment demands, international factors, money and interest. Monetary and fiscal policies are examined using this analytic structure to determine the effectiveness of these policies. Aggregate supply equilibrium is then analysed in terms of wages, prices and employment. The problems of inflation and unemployment are also considered along with possible wages policies. If time permits, longer term growth explanations of economic behaviour and associated policy prescriptions are briefly reviewed.

Additional Information: n/a

Text books: n/a
Session  contact  campus  delivery  method
n/a
n/a

ECON938 Environmental Economics 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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 convert environmental problems and to measure externalities will be analysed. It will also evaluate environmental policies in Australia, developing countries and in the international economy.

Subject Objectives: to develop a comprehension of the analytical techniques used in environmental economics, to develop an ability to apply economic techniques of analysis to environmental issues and to develop policy analysis skills to critically evaluate Australia's environmental policies and to assess the impact of alternative economic instruments on policy objectives, to take a comparative approach to world-wide environmental issues, focusing particularly on the Illawarra region and the Asia-Pacific region, to develop the skills of independent study, research, problem solving, report writing and debating through the presentation of seminar papers and group analysis of environmental economics and policy issues.

Additional Information: n/a

Text books: n/a
Session  contact  campus  delivery  method
n/a
n/a

ECON939 Quantitative Economic Analysis 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This course deals with the fundamental concepts of econometrics used in applied economic work in the academic, business and government sectors. The course covers the standard and non-standard econometric models, based on time series, cross-section, or qualitative data. Emphasis will be on applications of the econometric methodologies in empirical research.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a
Session  contact  campus  delivery  method
n/a
n/a

ECON941 Advanced Topics in Economics - A 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Topics for these subjects (A-Q) may be drawn from any area of Economics which the Head of the Department
ECON942 Advanced Topics in Economics - B  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Topics for these subjects (A-C) may be drawn from any area of Economics which the Head of the Department considers to be suitable preparation for a higher degree and appropriate to the student's special interests.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session                  contact       campus       delivery method
Spring  n/a                Wollongong  On Campus
Autumn  n/a                Wollongong  On Campus

ECON943 Advanced Topics in Economics - C  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Topics for these subjects (A-C) may be drawn from any area of Economics which the Head of the Department considers to be suitable preparation for a higher degree and appropriate to the student's special interests.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session                  contact       campus       delivery method
Spring  n/a                Wollongong  On Campus
Autumn  n/a                Wollongong  On Campus

ECON944 Advanced Topics in Industrial Relations - A  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Topics for these subjects (A-C) may be drawn from any area of Industrial Relations Employment, which the Head of the Department considers to be suitable preparation for a higher degree and appropriate to the student's special interests.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session                  contact       campus       delivery method
Spring  n/a                Wollongong  On Campus
Autumn  n/a                Wollongong  On Campus

ECON945 Advanced Topics in Industrial Relations  B  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Topics for these subjects (A-C) may be drawn from any area of Industrial Relations Employment, which the Head of the Department considers to be suitable preparation for a higher degree and appropriate to the student's special interests.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session                  contact       campus       delivery method
Spring  n/a                Wollongong  On Campus
Autumn  n/a                Wollongong  On Campus

ECON948 Employers and Industrial Relations 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The objective of this subject is to develop an understanding of the pressures and constraints on employers/managers, and the way these influence strategies in the control and administration of the employment relationship. This requires a critical analysis of various theories and styles, as well as practical exercises and evaluation of current trends. The influence of product, labour and financial markets on the strategies and choices will be examined.

Subject Objectives: By the end of this subject, the successful student will be able to identify, analyse & discuss: the imperatives of employers in the c*r* in current and historical contexts the methods which organisations and their managers use to implement to meet their objectives / imperatives the changing links between external goals of the organisation and internal processes and strategies the links between theoretical approaches and practical aspects of the management of the employment relationship at workplace and enterprise level and beyond.

As well the successful students will be competent in advanced library research skills have extended their capacity to read and analyse primary documents pertaining to industrial relations have extended their capacity to present and communicate ideas and concepts in written work and verbally

Additional Information: n/a
Text books: n/a

Session                  contact       campus       delivery method
Autumn  n/a                Wollongong  On Campus
Subject Descriptions

ECON950 Gender and Work 8 cp
Pre-requisites: Undergraduate Degree
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject presents a multi-disciplinary overview of issues arising from the effects of gender on, and within, the workplace. It addresses a range of concepts and methods necessary for understanding the position of men and women at work, both as workers and managers. The influence of gender on both paid and unpaid work will be considered, including its place in the relationship between these areas.

Subject Objectives: To extend students' understanding of the influence of gender on paid and unpaid work. To extend students' knowledge of the place of gender in Industrial Relations, Employment Relations and Human Resource Management. To extend students' understandings of gender relations in the labour market, the workplace and wider society. To improve students' abilities in research, critical reading, analysis, argument, presentation, and oral and written communication.

Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

ECON952 Workplace and Enterprise Industrial Relations 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will focus on the employment relationship at the level of the firm and workplace with particular reference to contemporary micro-level reform, in a variety of countries in Asia and Pacific Rim. The nature and effects of the economic environment on managerial styles and trade union organisation will also be examined.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong On Campus

ECON953 Political Economy of Australian Wage Determination 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An examination of the broad political and economic contexts which have shaped wage-effort bargaining and the major institutions of industrial relations in Australia from 1850 to the present. Some comparative perspectives will also be developed.

Subject Objectives: At the end of this semester, students who complete this subject will: 1. have a broad historical understanding of the political and economic contexts which have shaped the process of Australian wage determination; 2. have a broad historical understanding of the development of the wage/effort bargain in Australian employment relations at a macro level; 3. be able to analyse the role of the major institutions governing wage determination, and the wage/effort bargain more generally in Australia.

Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

ECON955 Comparative Studies in Industrial Relations 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A comparative examination of the development and organisation of industrial relations systems in a variety of different countries.

Subject Objectives: 1. To further develop analytical skills in industrial relations through comparison of industrial relations systems in a number of countries. 2. To foster a basic understanding of some overseas industrial relations systems.

Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong On Campus

ECON956 Negotiation, Advocacy and Bargaining 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will develop concepts, theories and techniques for the choice and evaluation of strategies and tactics in collective bargaining and advocacy.

Subject Objectives: The primary objective of ECON956 is to develop students' knowledge and practice of the processes of Industrial Relations, including negotiation, bargaining and advocacy. On successful completion of this subject students will have: developed practical skills of negotiation and advocacy in a context of critical assessment, developed an understanding of the place of negotiation and advocacy in the conduct of Australian Industrial Relations, extended their knowledge of the current Australian Industrial Relations legislation.

Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong On Campus

ECON957 Productivity and Labour 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An examination of the meaning and measurement of labour productivity, and its relationship to wage bargaining at national industry and enterprise levels. The subject also examines the impact of productivity-based wage bargaining of unions, employer organisation and the economy.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a
ECON958 Industrial Relations and Management  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: An examination of the ideas and strategies which modern management theorists have developed in order to deal effectively with the open-ended nature of the employment relationship. Particular attention is paid to reasons why management has developed and applied these theories and the extent to which they have proven successful.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session  contact   campus   delivery  method
Autumn  n/a  Wollongong  On Campus

ECON973 Employers and Industrial Relations  A  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The objective of this subject is to develop an understanding of the pressures and constraints on employers/managers, and the way these influence strategies in the control and administration of the employment relationship. This requires a critical analysis of various theories and styles, as well as a practical exercises and evaluation of current trends. The influence of product, labour and financial markets on the strategies and choices will be examined.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session  contact   campus   delivery  method
Autumn  n/a  Wollongong  On Campus

ECON975 Negotiation Advocacy and Bargaining  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: The primary objective of ECON980 is to develop students' knowledge and practice of the processes of Industrial Relations, including negotiation, bargaining and advocacy. On successful completion of this subject students will have developed practical skills of negotiation and advocacy in a context of critical assessment, developed an understanding of the place of negotiation and advocacy in the conduct of Australian Industrial Relations, extended their knowledge of the current Australian Industrial Relations legislation.

Additional Information: n/a

Text books: n/a

Session  contact   campus   delivery  method
Autumn  n/a  Wollongong  On Campus

ECON982 International Economic Relations  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: In this course we will examine policy issues in the international economy, particularly those with special relevance to the Asia-Pacific region and the Gulf States. The roles of multilateral institutions such as the International Monetary Fund, the World Bank, and the WTO are also examined. On completing this subject students will be able to understand major changes in the international economy and analyse the effects of the policies of multilateral organisations on national policy making.

Additional Information: n/a

Text books: n/a

Session  contact   campus   delivery  method
Spring  n/a  Wollongong  On Campus
Spring  n/a  Dubai  On Campus

ECON983 Trade and Industry in East Asia  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject studies the growth of the major economics in East Asia. It examines Japan, Korea, China, Taiwan & Hong Kong and their history of industrialisation in the post-war period, industrial structure, macroeconomic trends and policies. It examines trade patterns and trade policy, and strategic trade theories and policies. Comparisons of growth paths and the role of government will be made. Trade and investment flows in the Asia-Pacific region are analysed and implications for Australia and the Asia-Pacific Region are emphasised.

Subject Objectives: This subject studies the growth of the major economies in East Asia. It examines Japan, South Korea, China, Taiwan and Hong Kong. The topics discussed in this subject include a. Studies of the major economies in East Asia Brief history of industrialisation in the post-war period Industrial structure, macroeconomic trends and policies. It examines trade patterns and trade policy, and strategic trade theories and policies. Comparisons of growth paths and the role of government will be made. Trade and investment flows in the Asia-Pacific region b. Analysis of Trade & Investment flows in the Asian-Pacific region c. Implications for Australia and the Asia-Pacific Region

Additional Information: n/a

Text books: n/a

Session  contact   campus   delivery  method
Spring  n/a  Wollongong  On Campus

ECON984 Financial Economics  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: An 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
subject critically reviews advanced contemporary macroeconomic theories and their policy prescriptions. It stresses the need to consider four important concepts; namely the international orientation of macroeconomics, the role of expectations and their formation, the importance of dynamic speeds, dynamics and stability properties, and finally, the difficulty of formulating and implementing consistent, optimum macroeconomic policy in a changing world.

Subject Objectives: The course attempts a critical review of advanced contemporary macroeconomic theories and their policy prescriptions. In doing so the course stresses the need to consider four important concepts, namely the international orientation of macroeconomics, the role of expectations and their formation, the importance of dynamic speeds of adjustments and finally, the difficulty of formulating and implementing consistent, optimum macroeconomic policy in a changing world. Students will develop detailed knowledge and understanding of advanced macroeconomic concepts and develop skills in critical evaluation, investigation, written communication, using mathematical concepts and techniques and planning and organizing.

Additional Information: n/a

Text books: n/a

Session contact campus delivery method

Spring n/a Wollongong On Campus

ECON992 Research Report 24 cp

Subject Description: n/a

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method

Spring n/a Wollongong On Campus

ECON993 Thesis 48 cp

Subject Description: n/a

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method

Annual n/a Wollongong On Campus

ECON996 Advanced Macroeconomic Theory 6 cp

Subject Description: This subject critically reviews advanced contemporary macroeconomic theories and their policy prescriptions. It stresses the need to consider four important concepts; namely the international orientation of macroeconomics, the role of expectations and their formation, the importance of dynamic speeds, dynamics and stability properties, and finally, the difficulty of formulating and implementing consistent, optimum macroeconomic policy in a changing world.

Subject Objectives: The course attempts a critical review of advanced contemporary macroeconomic theories and their policy prescriptions. In doing so the course stresses the need to consider four important concepts, namely the international orientation of macroeconomics, the role of expectations and their formation, the importance of dynamic speeds of adjustments and finally, the difficulty of formulating and implementing consistent, optimum macroeconomic policy in a changing world. Students will develop detailed knowledge and understanding of advanced macroeconomic concepts and develop skills in critical evaluation, investigation, written communication, using mathematical concepts and techniques and planning and organizing.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method

Autumn n/a Wollongong On Campus

INTR920 Advanced International Economic Relations B 8 cp

Subject Description: The subject examines policy issues in the international economy especially as they affect the Asian-Pacific region. The role of international economic organizations such as the IMF, World Bank and GATT is 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 are explored.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method

Autumn n/a Wollongong On Campus
Subject Objectives: In this course we will examine policy issues in the international economic community, particularly those with special relevance to the Asia Pacific region and the Gulf States. The roles of multi-lateral institutions such as the International Monetary Fund, the World Bank, and the WTO are also examined. On completing this subject students will be able to understand major changes in the international economy and analyse the effects of the policies of multilateral organisations on national policy making.

Additional Information: Not to count with ECON982

Text books: n/a

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INTR921 Advanced International Economics 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Aspects of some of the following topics are studied in depth: 1. Growth and Trade; 2. Factor Transfers (Foreign Investment); 3. Tariffs; 4. Import-Substituting Industrialisation; 5. Foreign Exchange Market; 6. Internal and External Balance (the two-gap model).

Text books: n/a

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INTR922 Advanced Topics in Economics 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Topics for this subject may be drawn from any area of Economics which the Heads of the Departments concerned consider to be suitable preparation for a higher degree and appropriate to the student's special interests.

Text books: n/a

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Subject Descriptions

INFORMATION SYSTEMS

BUSS906 Strategic Information in Organisations 6 cp
Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a
Assessment: Essays; and case study.
Subject Description: This subject establishes a basis for understanding the role of information systems in organisations and how such systems relate to organisational objectives, structures and procedures. Using systems theory and other social theories including activity theory, the topics covered will include: the system concept in an organisation, information flows and decision processes, techniques and skills in representing system structures and integration of information systems into the organisational structure.
Subject Objectives: On successful completion of this subject, students should be able to demonstrate: a critical appreciation of general systems theory and systems thinking and its effects on the development of organisational information systems; an appreciation of organisation theory dealing with the relationship between organisational structure and information technology; an understanding of the complex nature of information systems risks and failure in an organisational context; an ability to construct, analyse and present case studies illustrating the above; and an ability to construct, analyse and present an argument (in essay form) illustrating the above.
Additional Information: n/a
Text books: To be advised.
Session contact campus delivery method
n/a

BUSS907 Electronic Commerce 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Assignments and final examination.
Subject Description: This subject examines the principles, techniques, methodologies, organisational and human implications of the business approach to electronic commerce, the business approach to using the internet, commercial applications for the information superhighway and the competitive advantage obtainable from electronic commerce.
Subject Objectives: On completion of this subject, students should be able to: gain some basic knowledge on the technologies associated with electronic commerce and the way they are currently used in the organisation; understand what virtual organisation and Internet Marketing are about; appreciate how internet technologies are used intra- and inter-organisationally; know how electronic commerce is arranged intra- and inter-organisationally; appreciate the macro and micro-factors which affect the adoption of electronic commerce in the organisation.
Additional Information: n/a
Text books: To be advised.
Session contact campus delivery method
Spring n/a Wollongong On Campus

BUSS909 Office Automation and Intranets 6 cp
Pre-requisites: Nil.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Subject Description: This subject considers the integration of key elements in office automation and intranets namely; people; computers; and communication - with the ultimate aim of improving the productivity of office staff. It examines such issues as: the technology of text; hypertext data; image; and audio-processing; human and ergonomic factors; office systems analysis; personnel and professional management aids; computer-based information services and the design of intranets.
Subject Objectives: On successful completion of this subject, students will: have an appreciation of the importance of office automation and intranets for organisations; an understanding of past developments, current state-of-the art and trends future in the office automation and intranet fields; an understanding of the cultural, social, political, economic and technical characteristics of office automation systems and intranet technologies to organisations; an understanding of the components used to implement office automation systems and intranets; and an understanding of the methods and practices required to analyse, design and implement office automation systems and intranets.
Additional Information: n/a
Text books: To be advised.
Session contact campus delivery method
Spring n/a Wollongong On Campus

BUSS910 Qualitative Analysis of Systems 6 cp
Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a
Assessment: Continuous assessment: 3 assignments.
Subject Description: This subject examines newly emerging qualitative, contextual and interpretivist theories and methods used to describe information systems, the process of systems development, and change processes in organisations which emphasise relationships between technical and social change. The subject utilises interdisciplinary approaches drawn from critical theory, discourse analysis, ethnography and anthropology. The subject will also examine the implications of these approaches to the discipline and practice of systems analysis and development in organisations. Students will be involved in applying these theories and methods to system case studies and will be introduced to tools that support these approaches.
Subject Objectives: At the end of this subject students will understand the importance of these approaches to the Information Systems discipline; the relevance of situational and cultural contexts in forming descriptions of workpractices and systems; the importance of qualitative and interpretive approaches in forming pragmatic and systematic descriptions of workpractices and systems; the necessity of understanding the relationship between investigators and objects of analysis; and develop qualitative research designs used study organisations, workpractices and systems; and have experience in applying qualitative methods to a range of data gathering tools including observations, interviews, surveys and documents.
Additional Information: n/a
Text books: To be advised.
Session contact campus delivery method
n/a

BUSS911 Intelligent Systems 6 cp
Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a
Assessment: Project; assignments and final examination.
Subject Description: This subject considers the theory and practice of intelligent information systems development. It introduces the core principles of knowledge representation and reasoning, as well as techniques involved in knowledge acquisition, machine learning, planning and search. It then examines how these techniques are deployed in practice settings by considering applications such as expert systems, constraint programming, multi-agent systems, data mining and web information retrieval.
Subject Objectives: On successful completion of this subject, students will understand the principles underlying intelligent information systems development; the nature and range of application domains for such systems, and the techniques required to build useful applications. Students will also gain hands on experience with intelligent systems tools and development environments.

Additional Information: n/a

Text books: To be advised.

Session contact campus delivery method
n/a

BUSS924 Systems Modelling and Simulation 6 cp

Pre-requisites: Nil.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Weekly assignment; term project; and final examination.

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. Statistical aspects of simulation will be emphasised.

Subject Objectives: At the successful completion of this subject, students will understand the role of systems modelling and simulation in supporting decision making; understand the concepts of systems modelling; know general methodological systems modelling; understand the nature of systems simulations; know the requirements for conducting successful system simulations.

Additional Information: 6 credit points.

Text books: To be advised.

Session contact campus delivery method
n/a

BUSS926 Decision Support Systems 6 cp

Pre-requisites: Nil.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Project, essay and final examination.

Subject Description: A central concern for the field of Information Systems is the design and implementation of computer systems to support managerial decisions and organisational processes. This requires a good understanding of the process of decision making and the ability to model decisions effectively besides gaining familiarity with a range of software tools for building such systems. This subject will provide a comprehensive review of model-based and data-driven approaches to building systems to provide decision support in organisations. It will have an interdisciplinary thrust drawing on concepts and theories from Information Systems, Computer Science, Management Science among others.

Subject Objectives: On successful completion of this subject the student will: develop a good understanding of a variety of models of decision making and decision process in organisations; acquire proficiency with a range of tools and technical developments that underpin the design of development of Decision Support Systems (DSS); develop the ability to design and implement DSS-type applications; be conversant with some of the important methodological issues in building DSS; understand the role and influence of the organisational context in implementing DSS.

Additional Information: n/a

Text books: To be advised.

Session contact campus delivery method
n/a

BUSS929 Information Systems Research Methods 6 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a

Assessment: The subject will have the following assessment components: reviews of research papers; literature review paper for a research topic of your choice; class participation.

Subject Description: This subject will provide a comprehensive introduction to a range of issues related to the choice and application of appropriate research methods for information systems (IS) research. Given the multidisciplinary nature of the IS field, researchers have employed diverse methods and the students will be exposed to some of the more significant approaches.

Subject Objectives: On successful completion of this subject, the student will: have developed a good understanding of what constitutes "good" research in general and in the field of information systems in particular; be able to critically read and relate to published research; be able to develop and formulate research problems in such a way as to facilitate thesis research; conversant with a range of methods that can be employed for doing research in information systems and be able to match them with the research problems at hand; develop criteria for assessing the application of appropriate research methods to problems.

Additional Information: n/a

Text books: To be advised.

Session contact campus delivery method
n/a

BUSS945 Information Systems Project 12 cp

Pre-requisites: Nil.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Final detailed report plus any other relevant materials related to the project topic.
Subject Description: The aim of this subject is to provide students with the opportunity to study a topic of research interest either within an external organisational setting (MBA students), or within a staff research group in the department (MIS or MBA students). The project will be completed under staff supervision and culminates in the production of a substantial written report plus other products such as software, manuals as appropriate to the project.

Subject Objectives: On successful completion of this subject students will have: developed and demonstrated the application of research skills and methods; investigated in-depth a particular aspect of information systems; demonstrated the ability to analyse, synthesise, evaluate and present research findings on a specific topic.

Additional Information: 12 credit points.

Text books: To be advised.

Session  contact  campus  delivery  method

hours

Annual  n/a  Wollongong  On Campus

BUSS946 Information Systems Project Part 1 6 cp

Pre-requisites: Nil.

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Work completed in this subject together with that completed in BUSS947 will be assessed as described for BUSS945. (final detailed report plus any other relevant materials related to the project topic).

Subject Description: This subject is specifically for students commencing in Spring Session the information systems project specified in BUSS945. This subject together with BUSS947 Information Systems Project Part 2 ( Autumn Session) is equivalent to BUSS946.

Subject Objectives: On successful completion of this subject students will have: developed and demonstrated the application of research skills and methods; investigated in-depth a particular aspect of information systems; demonstrated the ability to analyse, synthesise, evaluate and present research findings on a specific topic.

Additional Information: 6 credit points.

Text books: To be advised.

Session  contact  campus  delivery  method

hours

Spring  n/a  Wollongong  On Campus

BUSS947 Information Systems Project Part 2 6 cp

Pre-requisites: Nil.

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Work completed in BUSS947 together with that completed in BUSS946 will be assessed as specified in the description of BUSS945. (Final detailed report plus any other relevant materials related to the project topic).

Subject Description: This subject is specifically for those who commenced their project in the previous Spring Session in BUSS946.

Subject Objectives: On successful completion of this subject students will have: developed and demonstrated the application of research skills and methods; investigated in-depth a particular aspect of information systems; demonstrated the ability to analyse, synthesise, evaluate and present research findings on a specific topic.

Additional Information: 6 credit points.

Text books: To be advised.

Session  contact  campus  delivery  method

hours

Autumn  n/a  Wollongong  On Campus

BUSS950 Systems Development Methodologies 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Seminar Presentation, Essay and final examination.

Subject Description: This subject aims to overview and compare a range of systems development methodologies through the study of the underlying philosophical basis and methods, tools and techniques used in these methodologies.

Subject Objectives: On successful completion of this subject, students will be able to: describe and explain the origins and philosophical bases or a range of both different and related approaches to the development and refinement of systems development methodologies; describe and explain the purpose of each of the major phases and stages used in a selection of specific systems development methodologies; describe and explain frameworks which may be used to assess and compare different as well as similar systems development methodologies; describe and explain the similarities and differences between various system development methodologies and research the relevant literature to synthesize and present, both verbally and in writing, a logical and cogent argument covered with questions on certain methodologies, tools, techniques, frameworks or methodological issues.

Additional Information: n/a

Text books: To be advised.

Session  contact  campus  delivery  method

hours

Autumn  n/a  Wollongong  On Campus

BUSS951 Critical Issues in Systems Development 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Assignments, final examination.

Subject Description: This subject aims to provide a critical examination of the relationships between systems development methodologies and organisational contexts through the study of alternative systems development life cycles and development practices.

Subject Objectives: On successful completion of this subject, students will be able to: analyse and evaluate the appropriate use of outsourcing and insourcing as alternative approaches to information systems development in an organisational context; apply a methodology to ensure the appropriate use of outsourcing and insourcing approaches; understand the essential elements of a Request for Proposal (RFP) and methods for evaluating RFP’s.

Additional Information: n/a

Text books: To be advised.

Session  contact  campus  delivery  method

hours

Spring  n/a  Wollongong  On Campus

BUSS952 Information Systems Management 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Tutorial Questions, Group Assignment and final examination.

Subject Description: This subject examines a number of current management issues pertinent to the effective and efficient use of IS/IT resources throughout an organisation. Issues considered include: strategic planning and the use of IS/IT for gaining competitive advantage; linking business and IS/IT planning, formulating IS/IT architecture, and information management strategies; structure, organisation and placement of the IS/IT Department within the organisation; end-user computing and IS/IT Department support; IS/IT Department functions and operations; organisational change, IS/IT ethics.

Subject Objectives: On successful completion of this subjects, students should be able to: identify, describe and analyse IS management issues and be able to propose plans and strategies, and design policies and procedures that adequately address such issues within an organisational
context, describe and analyse relevant IS management issues from the perspective of IS as a corporate entity, as a functional entity, a departmental entity and as a user support entity; apply IS management principles successfully to an organisational case study; search, analyse and synthesise relevant literature on a chosen topic and be able to communicate (both verbally and in writing clearly) their knowledge and understanding of the topic via a group assignment, tutorial presentation and an individual research report.

**Additional Information:** n/a
Text books: To be advised.

**BUSS953 Management of Information Systems Development** 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

**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: IS/IT project management and its organisational context; project management tools and techniques; feasibility study methods; resource estimation techniques; IS/IT project groups’ behaviour, and management; systems development environments for professionals and end-users; quality assurance; project and system evaluation.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** To be advised.

**Session** | **Contact** | **Campus** | **Delivery** | **Method**
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**Spring** | n/a | Wollongong | On Campus |  
**Autumn** | n/a | Wollongong | On Campus |  

**BUSS981 Advanced Information Systems-Topic A** 6 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a
Assessment: Reports; assignments.

**Subject Description:** This subject is available to those enrolled in the Honours Master of Information Systems program by coursework and BUSS986 Research Report. The subject provides the opportunity for students to undertake individual supervised study related to their individual program and the topic of their BUSS986 Research Report.

**Subject Objectives:** At the successful completion of this subject students will demonstrate skills and knowledge which are related to their program of study and their BUSS986 Research Report topic.

**Additional Information:** n/a

Text books: To be advised.

**Session** | **Contact** | **Campus** | **Delivery** | **Method**
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**Spring** | n/a | Wollongong | On Campus |  
**Autumn** | n/a | Wollongong | On Campus |  

**BUSS982 Advanced Information Systems-Topic B** 6 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a
Assessment: Reports; assignments.

**Subject Description:** This subject is available to those enrolled in the Honours Master of Information Systems program by coursework and BUSS986 Research Report. The subject provides the opportunity for

students to undertake individual supervised study related to their individual program and the topic of their BUSS986 Research Report.

**Subject Objectives:** At the successful completion of this subject students will demonstrate skills and knowledge which are related to their program of study and their BUSS986 Research Report topic.

**Additional Information:** n/a

Text books: To be advised.

**Session** | **Contact** | **Campus** | **Delivery** | **Method**
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**Spring** | n/a | Wollongong | On Campus |  
**Autumn** | n/a | Wollongong | On Campus |  
**Annual** | n/a | Wollongong | On Campus |  

**BUSS983 Advanced Information Systems-Topic C** 12 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a
Assessment: Reports; assignments.

**Subject Description:** This subject is available to those enrolled in the Honours Master of Information Systems program by coursework and BUSS986 Research Project. The subject provides the opportunity for students to undertake individual supervised study related to their individual program and the topic of their BUSS986 Research Report.

**Subject Objectives:** At the successful completion of this subject students will demonstrate skills and knowledge which are related to their program of study and their BUSS986 Research Report topic.

**Additional Information:** n/a

Text books: To be advised.

**Session** | **Contact** | **Campus** | **Delivery** | **Method**
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**Annual** | n/a | Wollongong | On Campus |  

**BUSS984 Advanced Information Systems-Topic D** 12 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a
Assessment: Reports; assignments.

**Subject Description:** This subject is available to those enrolled in the Honours Master of Information Systems program by coursework and BUSS986 Research Report. The subject provides the opportunity for students to undertake individual supervised study related to their individual program and the topic of their BUSS986 Research Report.

**Subject Objectives:** At the successful completion of this subject students will demonstrate skills and knowledge which are related to their program of study and their BUSS986 Research Report topic.

**Additional Information:** n/a

Text books: To be advised.

**Session** | **Contact** | **Campus** | **Delivery** | **Method**
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**Spring** | n/a | Wollongong | On Campus |  
**Autumn** | n/a | Wollongong | On Campus |  
**Annual** | n/a | Wollongong | On Campus |  

**BUSS986 Research Report** 24 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a
Assessment: Final written report and progress reports.

**Subject Description:** This subject must be completed by students undertaking the Honours Master of Information Systems by coursework plus project. The project involves completing a significant research report on a specific information systems topic.
Subject Descriptions

Subject Objectives: On successful completion of this subject students will have demonstrated well developed research skills including the ability to locate, analyse, synthesise, evaluate and present research findings related to a specific advanced information systems topic.

Additional Information: 24 credit points.

Text books: To be advised.

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BUSS987 Master Thesis 48 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a

Assessment: Research thesis to be examined in accordance with University rules and regulations.

Subject Description: This subject is specifically for students undertaking the Honours Master of Information Systems program. The subject requires individual, supervised research on an advanced information systems topic and culminates in the submission of a thesis in the topic.

Subject Objectives: At the successful completion of this subject students will demonstrate extensive knowledge and research skills relating to a specific information systems research topic.

Additional Information: 48 credit points.

Text books: To be advised.

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BUSS991 Research Report - Part 1 12 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a

Assessment: Work completed in this subject together with that completed in BUSS992 will be assessed as described for BUSS986.

Subject Description: This subject is specifically for students in the Honours Master of Information Systems by coursework plus project who are commencing work on their project in Spring Session. This subject together with BUSS992 taken in the following Autumn Session is equivalent to BUSS986.

Subject Objectives: On successful completion of this subject students will have demonstrated well developed research skills including the ability to locate, analyse, synthesise, evaluate and present research findings related to a specific advanced information systems topic.

Additional Information: n/a

Text books: To be advised.

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BUSS992 Research Report - Part 2 12 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a

Assessment: Work completed in BUSS992 together with that completed in BUSS991 will be assessed as described for BUSS986.

Subject Description: This subject is specifically for Honours Master of Information Systems students completing their program by coursework plus project who have commenced their project in BUSS991 in the previous Spring Session.

Subject Objectives: On successful completion of this subject students will have demonstrated well developed research skills including the ability to locate, analyse, synthesise, evaluate and present research findings related to a specific advanced information systems topic.

Additional Information: 12 credit points.

Text books: To be advised.

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BUSS999 Doctoral Thesis 48 cp

Pre-requisites: Nil.
Co-requisites: Nil.
Restrictions: n/a
Exclusions: n/a

Assessment: Research thesis to be examined in accordance with University rules and regulations.

Subject Description: This subject is specifically for students undertaking the Doctor of Philosophy program in Information Systems. The subject requires individual, supervised research on an advanced information systems topic and culminates in the submission of a thesis which demonstrates an original contribution to the field of study.

Subject Objectives: n/a

Additional Information: 48 credit points.

Text books: To be advised.

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## COMM980 Business Research Methods 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**Subject Objectives:** This subject is designed to familiarise students with the basic tools and techniques of empirical research methods in business. A part of the assessment procedures will include a problem identification project in which students will be given some "hands on" experience in identifying suitable business problems and formulating an appropriate research design. These "problem identification" projects would normally form the basis for the students' research project. Topics include the following: Introduction to philosophy of research; Problem identification and hypothesis development; Modes of designing research; Validity and reliability problems; Techniques for measuring characteristics; Sample size and response rates; Analysis of data.  

**Text books:** n/a  
**Additional Information:** n/a  
**Session** contact campus delivery  
**hours method** n/a  

## INTR930 Organisational Behaviour 8 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**Subject Objectives:** A study of the behaviour of individuals in organisations, groups and group processes, leadership and communication, organisation design and job design, appraisal of performance, processes of organisational change and development. Application to public administration in developing countries.  

**Text books:** n/a  
**Additional Information:** REFER TO MGMT911  
**Session** contact campus delivery  
**hours method** n/a  

## MGMT905 Business Ethics and Law 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**Subject Objectives:** Law and ethics components are woven together to provide insight into their interplay in manager decision making. Law segments address topics such as the liabilities of managers and company directors, EEO, FOI, IR, and anti-discrimination legislation; and contract law. The ethics elements address both Australian and international business environments from psychological, sociological, and anthropological perspectives. Class addresses: relativism, utilitarianism, duty, locus of control, regret, risk perception, denial, blame, etc. Instruction is by student-centred and experiential methods.  

**Text books:** n/a  
**Additional Information:** n/a  
**Session** contact campus delivery  
**hours method** n/a  

## MGMT906 Managing People At Work 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**Subject Objectives:** This subject examines the contemporary environment of human resource management with particular reference to organisational strategy and human resource development line and staff managerial roles, the effects of institutional framework and industrial agreements on workplace management and human behaviour and productivity; performance; motivating and motivating, individual and group behaviour; work organisation and management. Managing organisational change in the workplace will be a particular focus of this subject.  

**Text books:** n/a  
**Additional Information:** n/a  
**Session** contact campus delivery  
**hours method** n/a  

## MGMT907 Managerial Skills Workshop 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**Subject Objectives:** This subject aims to introduce students to managerial skills which include the leadership of teams, culture and gender issues in management; communication skills; personal productivity; motivation and leadership; power and influence; and conflict and negotiation. This subject will be taught using a combination of lectures, group activities and discussion using case studies, role-plays and debate.  

**Text books:** n/a  
**Additional Information:** n/a  
**Session** contact campus delivery  
**hours method** n/a  

## MGMT908 Human Resources Development 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**Subject Objectives:** This subject provides an advanced perspective on the use of Human Resource Development (HRD) in enhancing the Competitive Advantage of Organisations, by building up the Intellectual and Learning System capacities of the Organisation to cope with a rapid change, customer focused environment. The concepts of the Learning Organisation will be developed through the perspective of the HRD policies and actions required to develop and change organisations through their human capital and capabilities.  

**Text books:** n/a  
**Additional Information:** n/a  
**Session** contact campus delivery  
**hours method**  
**Intake C**  
- Sydney: Modular  
- Wollongong: Modular
### MGMT909 Export Management 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** This subject will provide the student with an understanding of the principles of international marketing and the ability to apply them in the context of exporting goods and services to overseas markets.

**Subject Objectives:**
- n/a

**Additional Information:**
- n/a

**Text books:**
- n/a

**Session contact campus delivery hours method**
- Intake C n/a Wollongong On Campus

### MGMT910 Strategic Technology Management 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** This subject introduces students to concepts and practical issues concerned with the strategic management of technology at the firm and the organisational level. Topics examined include: technological change and long-term economic change; internal and external sources of new technologies; technology viewed as a stock and a flow of knowledge; and private and public-sector technology policies in Australia and overseas.

**Subject Objectives:**
- n/a

**Additional Information:**
- n/a

**Text books:**
- n/a

**Session contact campus delivery hours method**
- n/a

### MGMT911 Leadership and Team Dynamics 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** A study of the behaviour of individuals in organisations, groups and group processes, leadership and communication, organisation design and job design, appraisal of performance, processes of organisational change and development.

**Subject Objectives:**
- n/a

**Additional Information:**
- n/a

**Text books:**
- n/a

**Session contact campus delivery hours method**
- Intake A n/a Wollongong On Campus
- Intake A n/a Sydney On Campus

### MGMT913 Global and Comparative Human Resource Management 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** This subject focuses on the choices of international HRM policies and practices that multinational firms are faced with. Functional activities such as recruitment and selection, training and development and compensation are examined as applied in a multinational context. HRM policies and practices are also compared between different countries, particularly in the Asia Pacific region.

**Subject Objectives:**
- n/a

**Additional Information:**
- n/a

**Text books:**
- n/a

**Session contact campus delivery hours method**
- Intake B n/a Sydney On Campus

### MGMT915 Leading Organisational Change: Framing the Management of Change 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** This subject examines the processes of change within an organisation. Issues under discussion will be: change models; characteristics of innovative organisations; acceptance/resistance of change; factors of change; reasons for change; planning and monitoring change; sustaining change.

**Subject Objectives:**
- n/a

**Additional Information:**
- n/a

**Text books:**
- n/a

**Session contact campus delivery hours method**
- Intake D n/a Sydney On Campus

### MGMT916 Management and Employment Relations 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:** This subject examines the management of employment relationships using a number of theoretical approaches and utilising the perspectives of individual, unions, employers and government. The subject is based on the premise that the employment relationship is not managed exclusively by 'managers', but that other individuals and groups, including organised labour and the government, are all involved in the management of employment relations.

**Subject Objectives:**
- n/a

**Additional Information:**
- n/a

**Text books:**
- n/a

**Session contact campus delivery hours method**
- Intake B n/a Wollongong On Campus

### MGMT917 Business Ethics 6 cp
- **Pre-requisites:** SPAN162
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a

**Subject Description:**
- n/a

**Subject Objectives:**
- n/a

**Additional Information:**
- n/a

**Text books:**
- n/a

**Session contact campus delivery hours method**
- n/a
MGMT918 Organisational Processes 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Textbooks: n/a

Session contact campus delivery method
n/a

MGMT920 Organisational Analysis 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject provides students with an understanding of the main theoretical theoretical frameworks and conceptual tools used to analyse organisations. The subject approaches organisational analysis using four perspectives: bureaucratic, contingency, political, and cultural. Emphasis is placed on understanding the basis in theory and metaphorical roots of each perspective, as the foundation for using a multiple perspectives approach to identify the key dynamics of organisations.
Subject Objectives: n/a
Additional Information: n/a
Textbooks: n/a

Session contact campus delivery method
Intake D n/a Wollongong On Campus

MGMT924 Organisations and Their Environments 6 cp

Pre-requisites: SPAN162
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Textbooks: n/a

Session contact campus delivery method
n/a

MGMT925 Selected Topic A 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A special topic selected from any area of management. The selection would be made by the Head of the Department, taking into account the expertise of academic staff, including visiting staff, and the interests of students.
Subject Objectives: n/a
Additional Information: n/a
Textbooks: n/a

Session contact campus delivery method
n/a

MGMT926 Selected Topic B 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A special topic selected from any area of management. The selection would be made by the Head of the Department, taking into account the expertise of academic staff, including visiting staff, and the interests of students.
Subject Objectives: n/a
Additional Information: n/a
Textbooks: n/a

Session contact campus delivery method
n/a

MGMT927 Australian Government Administration 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Textbooks: n/a

Session contact campus delivery method
n/a

MGMT928 Public Policy and Administration 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Textbooks: n/a

Session contact campus delivery method
n/a

MGMT930 Strategic Human Resource Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Textbooks: n/a
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<td>Intake D</td>
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**Subject Description**: This is the capstone core subject for the MBA program and develops an integrated view of strategy taking into consideration the previous foundation subjects studied. The key topic areas include: strategy formation, choice and implementation, strategy and structure, and the organisational context; strategy and competitive advantage and corporate and global strategies.

**Subject Objectives**: n/a

**Additional Information**: n/a

**Text books**: n/a

**Session contact campus delivery hours method**

n/a

**MGMT933 Management of Process Innovation 1**  
6 cp

**Pre-requisites**: n/a

**Co-requisites**: n/a

**Restrictions**: n/a

**Exclusions**: n/a

**Assessment**: n/a

**Subject Description**: A key concern of contemporary technology management is improving the rate and quality of process innovation by adopting new methods to successfully integrate environmental, human, organisational and technological factors. This subject introduces the student to the interdependent human and technological character of work systems and provides principles and methodologies for designing more effective organisations. This subject is focused on the 'design' aspects of process innovation and covers in some detail, socio-technical system design.

**Subject Objectives**: n/a

**Additional Information**: n/a

**Text books**: n/a

**Session contact campus delivery hours method**

n/a

**MGMT934 Management of Process Innovation 2**  
6 cp

**Pre-requisites**: n/a

**Co-requisites**: n/a

**Restrictions**: n/a

**Exclusions**: n/a

**Assessment**: n/a

**Subject Description**: Contemporary management literature on process innovation is dominated by universalistic contingency models of 'best practice'. In contrast, this subject develops a more 'contextual' model of innovation, and provides principles and methodologies for the development of implementation strategies that integrate technical and organisational innovation in the effective realisation of new work systems. The subject will explore in detail the modern approaches to project implementation, cross functional project leadership and the various phases of implementation management.

**Subject Objectives**: n/a

**Additional Information**: n/a

**Text books**: n/a

**Session contact campus delivery hours method**

n/a

120

**MGMT940 Innovation and Entrepreneurship**  
6 cp

**Pre-requisites**: n/a

**Co-requisites**: n/a

**Restrictions**: n/a

**Exclusions**: n/a

**Assessment**: n/a

**Subject Description**: True Entrepreneurship and Innovation are key to the future economic development in many nations. This subject investigates the Innovation and Entrepreneurial processes, including New Venture Creation and Intrapreneurship. Students will learn how to differentiate between a good idea and a real business opportunity. A key part of this subject is the development of a realistic written business plan for an innovative business opportunity and its presentation via an action learning process utilising teams.

**Subject Objectives**: n/a

**Additional Information**: n/a

**Text books**: n/a

**Session contact campus delivery hours method**

Intake C n/a Wollongong On Campus

**MGMT941 Small Business Management I**  
6 cp

**Pre-requisites**: n/a

**Co-requisites**: n/a

**Restrictions**: n/a

**Exclusions**: n/a

**Assessment**: n/a

**Subject Description**: The Small to Medium Enterprise (SME) is becoming increasingly important to the economic well being of many nations. This subject has a practical focus by giving students an opportunity to develop an awareness and understanding of the key factors involved in successfully starting, operating and growing a SME. Detailed investigations of realistic SME scenarios as well as the major growth area of franchising is undertaken by students.

**Subject Objectives**: n/a

**Additional Information**: n/a

**Text books**: n/a

**Session contact campus delivery hours method**

Intake B n/a Wollongong On Campus

**MGMT943 Small Business Management II**  
6 cp

**Pre-requisites**: n/a

**Co-requisites**: n/a

**Restrictions**: n/a

**Exclusions**: n/a

**Assessment**: n/a

**Subject Description**: True Entrepreneurship and Innovation are key to the future economic development in many nations. This subject investigates the Innovation and Entrepreneurial processes, including New Venture Creation and Intrapreneurship. Students will learn how to differentiate between a good idea and a real business opportunity. A key part of this subject is the development of a realistic written business plan for an innovative business opportunity and its presentation via an action learning process utilising teams.

**Subject Objectives**: n/a

**Additional Information**: n/a

**Text books**: n/a

**Session contact campus delivery hours method**

n/a

**MGMT944 Enterprise Project**  
12 cp

**Pre-requisites**: n/a

**Co-requisites**: n/a

**Restrictions**: n/a

**Exclusions**: n/a

**Assessment**: n/a

**Subject Description**: True Entrepreneurship and Innovation are key to the future economic development in many nations. This subject investigates the Innovation and Entrepreneurial processes, including New Venture Creation and Intrapreneurship. Students will learn how to differentiate between a good idea and a real business opportunity. A key part of this subject is the development of a realistic written business plan for an innovative business opportunity and its presentation via an action learning process utilising teams.

**Subject Objectives**: n/a

**Additional Information**: n/a

**Text books**: n/a
MGMT945 Technology Enterprise Project  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

MGMT946 Personal Learning: The Reflective Manager  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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. Students will learn to develop a network and "community practice" to support their ongoing learning, and they will employ methods of reflective practice, critical thinking, journaling, and storytelling. Students will pursue personal learning contracts in relation to individual development and specific work-based projects.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
Intake A  n/a  Wollongong  Modular
Intake A  n/a  Sydney  Modular

MGMT947 Quality Management  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject provides the student with an understanding of how an organisation can successfully make the transition to Total Quality Management (TQM). Specific topics: Japanese management practices and the impact on competitive advantage; TQM and corporate strategy; Kanban and JIT production management; quality circles; statistical tools and controls; Kaizen management; applications, implementation and auditing of TQM. Special emphasis is placed on the necessary changes in organisational structure and culture.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
n/a

MGMT948 Project in Regional Administration  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

MGMT949 Performance Management  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject examines the area of performance management, defined as an ongoing communication process that, ideally, involves both the performance manager and employee in identifying and describing essential job functions and relating them to the mission and goals of the organisation; developing realistic and appropriate performance standards; giving and receiving feedback about performance; writing and communicating constructive performance evaluations and planning education and development opportunities to sustain, improve or build on employee work performance.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
Intake D  n/a  Wollongong  On Campus

MGMT950 Inventory Management  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
n/a

MGMT951 Manufacturing Management  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session  contact  campus  delivery  method
n/a

MGMT952 Production and Operations Management  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Objectives: A study of the design and operation of activities for the production of goods and services. Topics include qualitative, quantitative forecasting, production planning, scheduling, management of quality and productivity, project management, and flexible manufacturing systems (FMS). Emphasis will be placed on a comparison of Japanese production and quality management methods with traditional Western methods, total quality management (TQM), computer aided manufacturing (CAM), and implications for human resource management.

Text books: n/a
Additional Information: n/a
Session contact campus delivery
hours method
n/a

MGMT953 Human Resource Management 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject addresses key areas associated with the functional specialisation of human resource management, and expect these to broaden the organisational context. It focuses on major functional policies and programs such as human resource planning, strategic HRM, job analysis, employment law, recruitment and selection, performance management, compensation, human resource development, occupational health and safety and international HRM. Students are encouraged to draw upon their work experiences in classes and assignments to enhance learning.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery
hours method
Intake A n/a Wollongong On Campus

MGMT955 Special Topic in Management 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A special topic selected from any area of management. The selection would be made by the Head of the Department, taking into account the expertise of academic staff, including visiting staff, and the interest of students.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery
hours method
n/a

MGMT958 Manufacturing Management 2 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery
hours method
n/a

MGMT959 Transport Logistics Management 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery
hours method
n/a

MGMT960 Case Study 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: An in depth analysis of a particular managerial problem encountered in a specific company or industry situation.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery
hours method
n/a

MGMT961 International Management 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will deal with the identification, analysis and resolution of managerial issues of strategy and action within the context of firms operating in the international and global business environment, including the study of major issues in strategic operations, marketing and other areas of international management.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery
hours method
n/a

MGMT963 Management of Occupational Health and Safety 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject examines issues associated with the establishment of programs for the effective management of Occupational Health and Safety. Topics include: Technical and motivational programs, the role of the specialist, benefit-cost analysis, emergency and disaster management, networking within and between organisations, design of accident investigation and hazard assessment reporting systems, and the impact of work organisation on occupational health and safety.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Pre-requisites</th>
<th>Co-requisites</th>
<th>Restrictions</th>
<th>Exclusions</th>
<th>Assessment</th>
<th>Subject Description</th>
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</thead>
<tbody>
<tr>
<td>MGMT965</td>
<td>Occupational Hazards I</td>
<td>6 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>This subject examines the environment and process of recruitment and selection. Recruitment strategies are described and assessed from the perspective of the organisation and the individual. In particular, a range of personal selection techniques are examined in relation to issues of reliability, validity, fairness, and applicability. Also a range of practical skills in designing personnel selection techniques are developed.</td>
</tr>
<tr>
<td>MGMT966</td>
<td>Occupational Hazards II</td>
<td>6 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>The subject explores management practices, issues and theory across cultures in international business. It seeks to engage students with problems associated with management practices in a context of increasing global contact. Topics include the communication, technology, comparative management practices, managing with multicultural policies and the implications of culture for international/global managers. On successful completion of this course, students will have an appreciation and knowledge of managing across cultural boundaries in international business.</td>
</tr>
<tr>
<td>MGMT967</td>
<td>Quantitative Methods</td>
<td>6 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>This subject aims to give students an understanding of analysis, interpretation and application of statistics used in a managerial setting. A particular emphasis will be given on the role of computer package applications such as SPSS. This includes descriptive and inferential statistics and multivariate techniques, including multiple regression and factor analysis.</td>
</tr>
<tr>
<td>MGMT968</td>
<td>Communications</td>
<td>6 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>This subject introduces a conceptual framework for analysing competitors and competition in industry. Topics include: structural frameworks for analysis; generic strategies; strategies in fragmented, emerging, declining, transitional and mature industries; global strategies, vertical integration, new entry and diversification.</td>
</tr>
<tr>
<td>MGMT969</td>
<td>Job Analysis, Recruitment &amp; Selection</td>
<td>6 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>This subject examines the environment and process of recruitment and selection. Recruitment strategies are described and assessed from the perspective of the organisation and the individual. In particular, a range of personal selection techniques are examined in relation to issues of reliability, validity, fairness, and applicability. Also a range of practical skills in designing personnel selection techniques are developed.</td>
</tr>
<tr>
<td>MGMT976</td>
<td>Competitive Strategy and Analysis</td>
<td>6 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>The subject explores management practices, issues and theory across cultures in international business. It seeks to engage students with problems associated with management practices in a context of increasing global contact. Topics include the communication, technology, comparative management practices, managing with multicultural policies and the implications of culture for international/global managers. On successful completion of this course, students will have an appreciation and knowledge of managing across cultural boundaries in international business.</td>
</tr>
<tr>
<td>MGMT978</td>
<td>Cross Cultural Management</td>
<td>6 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>This subject explores management practices, issues and theory across cultures in international business. It seeks to engage students with problems associated with management practices in a context of increasing global contact. Topics include the communication, technology, comparative management practices, managing with multicultural policies and the implications of culture for international/global managers. On successful completion of this course, students will have an appreciation and knowledge of managing across cultural boundaries in international business.</td>
</tr>
<tr>
<td>MGMT979</td>
<td>Managerial Decision Analysis</td>
<td>6 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>This subject explores management practices, issues and theory across cultures in international business. It seeks to engage students with problems associated with management practices in a context of increasing global contact. Topics include the communication, technology, comparative management practices, managing with multicultural policies and the implications of culture for international/global managers. On successful completion of this course, students will have an appreciation and knowledge of managing across cultural boundaries in international business.</td>
</tr>
</tbody>
</table>
Subject Description: This subject focuses on the quantitative and qualitative techniques available to managers in problem solving and decision making in organisations. Decision making models will be explored and will examine the criteria used for rational decision making under conditions of risk and uncertainty. This decision making process will focus in areas such as forecasting, budgeting, financial planning and decision analysis.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
n/a

MGMT981 Research Project 24 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery hours method
n/a

MGMT982 Project 18 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject constitutes the second component of the project study option within the MBA. This subject enables the research proposal developed in COMM980 to be implemented, under the guidance of a nominated supervisor. A substantive project report to an approved format will be the output from this subject.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery hours method
n/a

MGMT983 Leading Organisations: Politics, Power and Change Agency 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery hours method
n/a

MGMT984 Global Business Regulation 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The broad aim of this subject is to identify the range and type of regulations to which the international business is subject, their development, purposes and general impact. This will provide an understanding of the complex world of business regulation.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery hours method
Intake B n/a Sydney On Campus

MGMT986 Special Topic A 12 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject may be taken only with permission of the Head of Department of Management.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery hours method
n/a

MGMT987 Special Topic B 12 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject may be taken only with permission of the Head of Department of Management.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery hours method
n/a

MGMT988 Special Topic C 12 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject may be taken only with permission of the Head of Department of Management.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery hours method
n/a
<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Title</th>
<th>Credits</th>
<th>Pre-requisites</th>
<th>Co-requisites</th>
<th>Restrictions</th>
<th>Exclusions</th>
<th>Assessment</th>
<th>Subject Description</th>
<th>Subject Objectives</th>
<th>Additional Information</th>
<th>Text books</th>
<th>Session Contact Campus Delivery Hours Method</th>
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</thead>
<tbody>
<tr>
<td>MGMT989</td>
<td>Special Topic D</td>
<td>12 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>Subject Description: Master of Commerce Honours qualifying subjects consisting of a program of course work and reading as prescribed by the Head of the Department of Management.</td>
<td>n/a</td>
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<tr>
<td>MGMT990</td>
<td>Minor Thesis</td>
<td>24 cp</td>
<td>n/a</td>
<td>n/a</td>
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<td>Subject Description: Approved program of study agreed with the Head of the Department of Management or Course Director.</td>
<td>n/a</td>
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<tr>
<td>MGMT991</td>
<td>Major Thesis</td>
<td>48 cp</td>
<td>n/a</td>
<td>n/a</td>
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<td>n/a</td>
<td>Subject Description: Approved program of study agreed with the Head of the Department of Management or Course Director.</td>
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<tr>
<td>MGMT996</td>
<td>Managing For Innovation</td>
<td>12 cp</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>Subject Description: This subject will deal with the development and creation of innovative business opportunities for both the start-up entrepreneurial team and the existing organisation. The material to be covered shall include: Developing an innovative culture in organisations; Sourcing innovative opportunities for the organisation both internally and externally; Overcoming barriers to innovation; Changing bias toward creativity in employees and management; Initial screening and evaluation of innovative opportunities; Critique of contemporary innovation literature.</td>
<td>n/a</td>
<td>n/a</td>
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</tr>
</tbody>
</table>
MARK901 Marketing on the Internet 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will include the following general overview of the internet, nature of the internet, hypertext, markup language, transfer protocol, resource locators, sales over the internet, public relations over the internet, advertising over the internet, world wide web and demographics, value-added web sites, performance indicators of marketing effort, security and legal issues, development of home pages.
Subject Objectives: 1. To provide students with the opportunity to investigate the context and nature of marketing management decisions and discover the relevance of basic concepts and theories to decision making in marketing. 2. To train graduate students to critically evaluate current perspectives in marketing and to develop their own perspectives. 3. To capture the new trends and development of marketing theory and practice.
Additional Information: Business School students are not permitted to enroll in this subject, without approval of the Director of the Business School.
Text books: n/a
Session | contact | campus | delivery method
---|---|---|---
Spring | n/a | Wollongong | On Campus
Autumn | n/a | Wollongong | On Campus

MARK917 Business to Business Marketing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Business to Business Marketing covers issues particular to the situation where one business markets a product or service to another business (rather than to an individual consumer). This subject is also referred to at times as Industrial Marketing.
Subject Objectives: The objectives are to educate students regarding the major theoretical concepts and processes involved in business to business marketing, the application of these concepts to real life situations through the use of case studies and "real life" examples.
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery method
---|---|---|---
Spring | n/a | Wollongong | On Campus

MARK922 Marketing Management 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: WBS904
Assessment: n/a
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.
Subject Objectives: The objectives of the course are: 1. To provide students with the opportunity to investigate the context and nature of marketing management decisions and discover the relevance of basic concepts and theories to decision making in marketing. 2. To emphasise the comprehensive perspective essential to marketing management decision making by examining the relationship between the company and its customers, society at large, and other internal organisational functions. 3. To train graduate students to critically evaluate current perspectives in marketing and to develop their own perspectives. 4. To capture the new trends and development of marketing theory and practice.
Additional Information: Business School students are not permitted to enroll in this subject, without approval of the Director of the Business School.
Text books: n/a
Session | contact | campus | delivery method
---|---|---|---
Spring | n/a | Wollongong | On Campus
Autumn | n/a | Wollongong | On Campus

MARK935 Marketing Strategy 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: With the use of case studies, this subject will examine the development and implementation of marketing plans and strategies at the organisational level. Key issues may include: marketing's strategic role in the organisation, marketing strategy and competitive advantage, including marketing mix strategies, marketing strategy formulation, implementation and control.
Subject Objectives: On completion of the course the student will have gained: * an understanding of the strategic environment of Australian marketing; * an awareness of key strategic dimensions of the Australian and international marketplace; * literacy in the concepts of strategic marketing, acquired through the submission of several case analyses and a marketing plan.
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery method
---|---|---|---
Spring | n/a | Wollongong | On Campus

MARK936 Consumer Behaviour 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: To provide analytic, creative and practical perspectives on consumer behaviour. At the end of the semester, you should know and be able to thoughtfully apply consumer behaviour concepts.
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery method
---|---|---|---
Spring | n/a | Wollongong | On Campus

MARK937 Relationship Marketing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a

Exclusions: n/a
Assessment: n/a
Subject Description: Marketing has been defined by some as the art of getting and keeping customers. However, most of the emphasis has been placed on attracting customers. Relationship marketing stresses the importance of keeping customers. This subject will provide both a theoretical and practical perspective to relationship marketing.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

MARK938 Managing Services Marketing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This course provides an in-depth analysis of the problems facing services marketing managers. Through lectures, class discussions, readings and case analysis, plus observation of firms in actual service situations, students will develop insights concerning the unique characteristics of marketing in the services sector. Major topics include: problems and strategies in services marketing; understanding the service experience; dimensions of service quality, services marketing mix, growth strategies for service firms and marketing implementation issues.
Subject Objectives: Upon completion of the course, the student should be capable of: * determining how services marketing differs from that of goods, * developing and applying a strategic marketing planning process for services, * understanding the potential impediments to services quality and being capable of recommending strategies which improve service quality, * developing strategies for customer and employee loyalty, * communicating in an effective manner both in writing and orally.
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

MARK939 Contemporary Issues in International Marketing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject examines the role of globalisation and international marketing in economic development. The major focus is on the discourse of globalisation and how this relates to current issues in international marketing. Topics include: cultural and social effects of international marketing, the role of multinationals in developing countries, ecological effects of globalisation and economic development, consumer issues in developing countries, and the role of government in international marketing.
Subject Objectives: 1. Provide a framework to critically evaluate and analyze current issues in international marketing. 2. Provide a foundation for students to thoroughly review a specific research area, provide a written summary of a number of readings, and lead a discussion group in critically analyzing the issues pertaining to this area; 3. Identify and analyze limitations in current research and opportunities for future research areas; 4. Prepare a comprehensive marketing research project through literature review, analysis and synthesis of a selected topic area pertaining to international or global marketing.
Additional Information: n/a
Text books: n/a

MARK940 Advertising and Promotion Strategy 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will provide both a theoretical and a practical perspective on Marketing Communications and Promotion Strategy. Students will learn to use communication tools such as advertising, sales promotion, point-of-purchase materials, sponsorship programs and publicity, to optimise intervention on organisational issues.
Subject Objectives: The objectives of this course are to understand the concepts of advertising and promotion strategy, be able to apply these concepts in practical situations; be able to create an integrated marketing communications program using the appropriate tools.
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

MARK954 Special Topic in Marketing A 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A special topic selected from any area of marketing. The selection would be made by the Head of the Department, taking into account the expertise of academic staff, including visiting staff, and the interest of students.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

MARK956 New Product Marketing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: New products are the "lifeblood" of the modern organisation, with the majority of firms' sales coming from new products or services which they have introduced in the past 3 years. With a combination of theory and practical "hands-on" assignments, this course takes students to the status of "new products executives", i.e. capable of managing the new product process from new products strategy to successful launch.
Subject Objectives: The overall aim of the course is to provide participants with an understanding of product innovation processes and how they fit as part of a company's business strategy. At the end of the course, participants should be able to: * demonstrate that they understand the product life cycle, and the role that the marketing function plays in this, * demonstrate that they understand the organisation and management of product innovation processes, from conceptualisation to launch, * implement methods to collect and analyse customer inputs throughout the product life cycle, * develop and apply a new product strategy, * develop a new product concept brief, * analyse the critical factors leading to the success or failure of a newly-introduced product.
Additional Information: n/a
Subject Descriptions

MARK957 International Marketing Strategy 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The course will encompass the issues involved in international marketing. Primary focus will be on the strategic aspects with particular emphasis on environmental consideration and international marketing decisions in the global context. A managerial perspective will be adopted and decision-making skills will be imparted through the case method of instruction.

Subject Objectives: 1. Utilize cases and international business reports to evaluate corporate problems/opportunities in an international environment; 2. Identify and analyze opportunities within international marketing environments using various strategic marketing management techniques; 3. Enhance problem-solving skills by analyzing international marketing strategies at the corporate, regional and local levels; 4. Use financial and quantitative analysis to evaluate the current and projected performance of a company, and/or marketing opportunities; 5. Develop a comprehensive course of action for a business firm using formal decision making processes; and, 6. Complete final course project using skills acquired throughout the course.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method
Spring n/a Wollongong On Campus

MARK959 Sales Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This course involves organizing 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.

Subject Objectives: To provide the student with a thorough and practical understanding of managing the sales function within the organization and in relation to the larger market environment. Understanding of the conceptual component of the sales management function as well as the practical implementation of these principles is seen as the chief objective of this course.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method
Spring n/a Wollongong On Campus

MARK960 Case Study 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This is an approved program of study to be agreed with the Head of Department, where students will conduct an in-depth analysis of a particular marketing problem.

Subject Objectives: n/a

Text books: n/a

Session contact hours campus delivery method
Spring n/a Wollongong On Campus

MARK970 Contemporary Issues in Services Quality 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This course will focus on advanced topics in service quality, customer satisfaction with services, and strategic issues relating to the marketing of service firms. Emphasis will be placed on reviewing contemporary readings in the academic and professional literature, together with a focus on practical issues affecting service companies.

Subject Objectives: 1. To be able to define and understand the concept of service quality. 2. To understand the integration of operational requirements, employee’s competencies, behaviour and feelings and customer needs and preferences. 3. To investigate the relationships between customer satisfaction, customer loyalty and eventual profitability. 4. To develop an understanding of the importance of employees in the delivery of quality services. 5. To comprehend the issues of importance in the design and management of the service delivery system. 6. To be able to design an effective performance measurement system. 7. To appreciate customer complaint behaviour and service recovery strategies.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method
Spring n/a Wollongong On Campus

MARK977 Research For Marketing Decisions 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject is concerned with examining the techniques and principles for systematically collecting, recording, analyzing and interpreting data that can aid decision makers who are involved with marketing products, services, or ideas. Topics include: the structure and function of research information, problem definition and research design, the measurement of consumer attitudes and preferences, design of sampling plans, collecting primary and secondary data, analyzing and interpreting statistical research results.

Subject Objectives: The overall aim of the course is to provide participants with both an understanding and the experience of market research practice. On successfully completing the course, participants should be able to: * demonstrate that they understand: 1) the practice of market research and the role that it can play in informing marketing-related decisions; and 2) the methodology theory and practice of applied social research, * formulate a proposal for a market research study, * select and apply appropriate market research methods; * collect, analyse and interpret information; * apply appropriate statistical methods to analyse market research data; * design, execute and report on a market research study.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method
Spring n/a Wollongong On Campus
MARK989  Special Topic B  12 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A program of coursework and reading as prescribed by the Head of Department. This subject is normally available only to MCom(Honours) students.

Subject Objectives: n/a

Text books: n/a

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MARK990  Minor Thesis  24 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: For information please contact the Department of Marketing.

Text books: n/a

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MARK991  Major Thesis  48 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: For information please contact the Department of Marketing.

Text books: n/a

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MARK997  Retail Marketing Management  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: Upon completion of the course, you should be capable of: * understanding the main concepts and frameworks of retailing, * dealing with specific retail marketing management problems, * developing appropriate retail marketing strategies, * communicating your analysis and recommendations in an effective manner in writing and in oral presentations.

Additional Information: n/a

Text books: n/a
**WBS 901 Accounting for Managers** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** A conceptual introduction to accounting, focusing on accounting from the viewpoint of the manager’s specific needs for financial information. Key areas to be covered include: decision making (short and long-term), internal performance evaluation, legal and quasi-legal background to financial reporting, analysis of financial statements, and strategic business accounting.

**Subject Objectives:** Refer subject outline.

**Additional Information:** All Business School subjects do not run to the “normal” University session dates. Please check the timetable carefully. This subject is also available via Distance Education.


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**WBS 902 Statistics for Decision Making** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**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.

**Subject Objectives:** On completion of this subject, the student should be able to: 1. Explain the importance of statistics as an aid to decision-making in any organisation. 2. Understand and identify managerial statistical problems. 3. Select appropriate statistical techniques for solving a particular problem within any organisation. 4. Use and interpret appropriate output from statistical computer packages such as SPSS/Minstat/Excell. 5. Prepare and produce a managerial report. 6. Demonstrate proficiency in Analysis, Interpretation and Application of managerial statistics. This includes Descriptive and Inferential statistics, Quality Control and Multivariate techniques, including multiple regression and factor analysis.

**Additional Information:** All Business School subjects do not run to the “normal” University session dates. Please check the timetable carefully and be sure to enrol in the correct instance. This subject is also available via Distance Education.


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**WBS 903 Managing People in Organisations** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** MGMT9106, MGMT9111

**Assessment:** Refer to subject outline.

**Subject Description:** This subject analyses central organisational challenges for those who manage people in organisations and a variety of the proposed solutions. To do this, it uses discussion of the employment relationship as a platform for examining central areas of organisational behaviour. It thus starts with the employment relationship, its place within the labour market and its implications for managerial decision-making. Subsequent topics analyse organisational types and the role of managers and managing in organisations. These provide a basis for understanding theories of motivation, group behaviour and teams, organisational culture and the local cultural context, leadership in organisations, power and politics in organisations, consent and control in organisations, and decision-making in organisations.

**Subject Objectives:** At the end of the subject, students should have a clear understanding of: 1. Different ways of thinking about organisations and the implications of these differences. 2. The relationship of organisations to their environments. 3. Questions of power and politics within organisations. 4. The roles and behaviours of managers. 5. Strategic policy options available to managers in terms of motivation, leadership and culture. 6. Organisational dynamics.

**Additional Information:** All Business School subjects do not run to the “normal” University session dates. Please check the timetable carefully and be sure to enrol in the correct instance. This subject is also available via Distance Education.


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**WBS 904 Marketing Management** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** MARK922

**Assessment:** n/a

**Subject Description:** This subject examines the contemporary view of marketing and focuses on the following areas: international marketing, advertising, consumer behaviour, product development and pricing, sales management, services and relationship marketing; distribution/retailing, marketing research, business-to-business, and contemporary issues in marketing, e.g. Internet, ethics, etc.

**Subject Objectives:** 1. To provide students with the opportunity to investigate the context and nature of marketing management decisions and discover the relevance of basic concepts and theories to decision making in marketing. 2. To emphasise the comprehensive perspective essential to marketing management decision making by examining the relationship between the company and its customers, society at large, and other internal organisational functions. 3. To train graduate students to critically evaluate current perspectives in marketing and to develop their
WBS 905 Economic Analysis of the Business Environment in Australia and Asia 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECON932 Economic Analysis of the Business Environment
Assessment: n/a

Subject Description: This subject provides an introduction to the macro and micro economic environment of business and organisations in Australia and selected nations in Asia. It provides an analysis of the logic underlying the operation of a market-based economic system. The processes which lead to the internationalisation of business and globalisation of economies are studied, as well as macroeconomic and microeconomic policies which affect the business environment.

Subject Objectives: WBS905 introduces practical basic economic concepts so that students can understand and describe how businesses and an economy works, including the economy's balance of payments, so that 'reporting' and 'commentary' articles on businesses, on the economy, and on economic trends and policy can be understood. The assignment is intended to provide the student with research skills necessary to obtain and interpret economic data.

Additional Information: Students are expected to be familiar with: (1) the University Library (its facilities in relation to cataloguing, search, and the Australian Bureau of Statistics section); and (2) the Resource Room of the Faculty of Commerce where further specialised material is available. All Business School subjects do not run to the 'normal' University session dates. Please check the timetable carefully. This subject is also available via Distance Education.

Text books: Dudley Jackson, The Australian Economy (Macmillan, 1989) (approx 39.95); this will be replaced by: Dudley Jackson, the New National Accounts (Edward Elgar, 2000) when published.

WBS 908 Supply Chain Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: BUSB903
Assessment: n/a

Subject Description: This subject provides an understanding of the use and impact of information technology in organisations; in particular, it provides an analysis of the structures and functions of the range of typical computer-based business information systems. The applications of information systems and issues facing managers will be examined. Other issues considered are the integration of discrete applications into the total information system and organisational implications of such integration and automation.

Subject Objectives: At the end of this subject, students will: 1. appreciate the utilisation of information systems and technology in the context of business organisations; 2. understand organisational implications of systems integration and workplace automation; and 3. appreciate the use of software technology in a business environment.

Additional Information: All Business School subjects do not run to the "normal" University session dates. Please check the timetable carefully. This subject is also available via Distance Education.

Text books: Alter, S, 1999,
Subject Descriptions

Additional Information: All Business School subjects do not run to the "normal" University session dates, please check the timetable carefully.


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WBS 910 Economic Analysis of Health Care 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject analyses economic aspects of the production and distribution of health care. The impact of the economic environment on managers and other decision makers in health care is examined in the context of globalisation and the expanding role of multinational corporations. Alternative health care delivery systems and government policies influencing economic aspects of health care are critically evaluated. The methodology of economic evaluation of health care programs is developed and applied.

Subject Objectives: On completion of this subject, participants should be able to: 1. recognise the special features of health care markets; 2. identify the major reasons for the increase in health care expenditure and evaluate suggestions for containing or reducing expenditures; 3. discuss the advantages and disadvantages of alternative health care delivery systems; 4. appreciate the difficulties in trying to improve decision making in hospitals; 5. identify the strengths and weaknesses of Medicare and the Pharmaceutical Benefits Scheme; 6. understand the markets for health care professionals; and 7. understand and be able to apply the appropriate methodology for the economic evaluation of a health care program.

Additional Information: The Business School students must enrol in WBS910 - Please refer to timetable for ECON317/918 for lecture/tutorial times. This subject is also offered via Distance Education

Text books: n/a

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WBS 920 International Business Strategy 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: WBS984, MGMT361
Assessment: n/a

Subject Description: This subject provides a development of strategic business thinking in an international context. The international competitiveness of any country will be determined by underlying international rivalry that is not within the scope of general strategic management literature. Influencing the variables of international economic systems is usually beyond the scope of managers, hence students are challenged to consider strategic positioning of business organisations in an international context where there are many interacting influences. These include technology, IIRM, international finance, marketing and law. Ethical and political issues are given major attention. Predominant teaching methods are case study and project based.

Subject Objectives: On completion of this subject the student should be able to: 1. Develop views on the role, importance and limitations of international strategic management in multinational enterprise today. Understand and demonstrate some proficiency in analysing the international business environment, including ethical and political considerations. Develop an ability to create and develop international business scenarios. Understand the importance of gathering information relevant to international strategic initiatives and to fine-tune abilities to seek out and filter this information appropriately. Develop ability to take strategic decisions based on information available and scenarios created.

Additional Information: WBS920 and WBS984 are identical subjects. MBA students enrol in WBS920, MIB students enrol in WBS984. All Business School subjects do not run to the "normal" University sessions, please check the timetable carefully. This subject is also available via Distance Education.

Text books: n/a

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WBS 921 Strategic Decision Making 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: MGMT1931
Assessment: n/a

Subject Description: This capstone unit brings together much of what students have discussed in other units, including finance, marketing and IIRM. An integrated approach is taken to developing the strategic direction of organisations. This occurs in three main areas of Strategic Analysis, Strategic Choice and Strategy Implementation. The competitive forces that emanate from inside and outside the organisation are considered and hence strategic choices are identified. The unit is taught largely by case-analysis and can involve a substantial mini-project based on an analysis of the strategic decisions that may be taken in the participants workplace.

Subject Objectives: 1. Develop views on the role and importance and limitations of strategic decision making in business today. 2. Understand and demonstrate some proficiency in the use of some strategic analysis tools and their application. 3. Develop their ability to think strategically as an aid to business decision making and their own personal career progression. 4. Develop an ability to build scenarios in business and/or personal career planning. 5. Understand the importance of information gathering in strategic decision making and to fine-tune abilities to seek out and filter this information appropriately.

Additional Information: All Business School subjects do not run to the "normal" University session dates, please check the timetable carefully. This subject is also available via Distance Education.


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WBS 924 Management Project 12 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
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 on 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.

Subject Objectives: On successfully completing this subject students will be able to: Explain the importance of materials management in manufacturing and services. Explain the functions of inventory in an organisation. Describe the methods of demand forecasting for inventory management. Calculate optimum lot sizes. Determine optimum order quantities under quantity discounts. Describe the methods of managing independent and dependent demand inventory. Explain how forecast errors and variability in demand and lead time create a need for safety stocks. Explain the decision-making processes required in multi-echelon inventory systems. Explain the inventory management decisions involved in material requirements planning, just-in-time production management, and capacity constrained production. Explain how computer simulation is used in inventory management. Explain how the cost accounting system used in an organisation can influence management decisions. Carry out example calculations in the above areas.

Additional Information: All Business School subjects do not run to the "normal" University session dates, please check the timetable carefully.

Text books: To be advised.

Session | contact hours | campus | delivery method |
---------|---------------|--------|----------------|
Intake B | 36 - 40 hrs   | Wollongong | Modular total |
Intake B | 36 - 40 hrs   | Sydney    | Modular total  |

WBS 926 Manufacturing Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject covers manufacturing industry dynamics and manufacturing strategy, value adding in manufacturing, materials flow, manufacturing planning and control including MRP II, ERP, JIT and OPI. Key concepts include: maintenance, supply procurement, distribution quality control, assurance and improvement, manufacturing information technology, performance management, concept of lean and agile manufacturing. Students are expected to undertake a substantial mini-project that is usually case-based, preferably on an aspect of the student's work experience.

Subject Objectives: To consider problems relating to Manufacturing Management. Students are particularly encouraged to consider problems related to their own work or other real life situations. Experiential learning is encouraged, whereby students use work carried out as part of their employment, for assessment purposes. Students are also positively encouraged to work in collaborative teams. A relaxed, meaningful and enjoyable approach to the learning experience is envisaged.

Additional Information: All Business School subjects do not run to the "normal" University session dates. Please check the timetable carefully.

Text books: n/a

Session | contact hours | campus | delivery method |
---------|---------------|--------|----------------|
Intake D | 36 - 40 hrs   | Wollongong | Modular total |
Intake D | 36 - 40 hrs   | Sydney    | Modular total  |

WBS 928 Transport Logistics Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject provides the student with state-of-the-art knowledge of management systems relating to the transportation of products within manufacturing plants and their distribution to the market. Topics covered will include: location analysis; location planning; layout planning; transportation systems in manufacturing plants; managing the distribution of finished products; optimal vehicle routing techniques; and achieving high quality delivery performance.

Subject Objectives: 1. Understand the role that marketing and customer service play in effective Strategic Logistics Planning. 2. Identify why information flow is a key to successful transport logistics strategy formulation and implementation. 3. Broaden their perspectives with respect to logistics planning, to comprehend the importance of strategically planning whilst ensuring this is achieved in an integrated manner. 4. Recognise the importance of emerging issues such as environment, global economic opportunities and threats, developments in IT and understand that they must be managed from a strategic perspective to maximise competitive benefits whilst minimising exposure to hostile forces in the business environment.

Additional Information: All Business School subjects do not run to the "normal" University session dates, please check the timetable carefully.

Text books: n/a

Session | contact hours | campus | delivery method |
---------|---------------|--------|----------------|
Intake D | 36 - 40 hrs   | Wollongong | Modular total |
Intake D | 36 - 40 hrs   | Sydney    | Modular total  |

WBS 929 Management of Process Innovation 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: MGMT933
Assessment: n/a

Subject Description: A key concern of contemporary technology management is improving the rate and quality of process innovation by adopting new methods to successfully integrate environmental, human, organisational and technological factors. This subject introduces the student to the interdependent human and technological character of work systems and provides principles and methodologies for designing more effective organisations. This subject is focused on the 'design' aspects of process innovation and covers in some detail socio-technical system design.

Subject Objectives: n/a

Additional Information: All Business School subjects do not run to the "normal" university session dates. Please check the timetable carefully.

Text books: n/a

Session | contact hours | campus | delivery method |
---------|---------------|--------|----------------|
Intake D | 36 - 40 hrs   | Wollongong | Modular total |
Intake D | 36 - 40 hrs   | Sydney    | Modular total  |
WBS 930 Production and Operations Management  

6 cp  

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: This subject is a study of the design and operations of activities for the production of goods and services. Topics include: qualitative and quantitative forecasting, production planning, scheduling, management of quality and productivity, project management and flexible manufacturing systems (FMS). Emphasis will be placed on a comparison of Japanese production and quality management methods with traditional Western methods, total quality management (TQM), computer aided manufacturing (CAM), and implications for human resource management.  

Subject Objectives: n/a  

Additional Information: All Business School subjects do not run to a "normal" University session dates. Please check the timetable carefully.  

Text books: n/a  

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WBS 932 Service Operations  

6 cp  

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: The service sector is an important and growing part of the economy. As a result, Service Operations Management and its impact is widespread. Services and Service Operations Management have some similarities to manufacturing and Production Management yet numerous differences exist and will be highlighted. The subject will focus on three primary areas of knowledge: understanding the nature of services, designing efficient and competitive services and managing the delivery of services.  

Subject Objectives: Describe the nature and characteristics of service operations. Explain the role of the customer in service operations. Determine strategies to successfully position services in the marketplace. Understand the strategies and planning tools available for matching service demand with supply and know when and how to apply them. Understand the strategies and tools available for delivering services to customers and know when and how to apply them.  

Additional Information: All Business School subjects do not run to the "normal" University session dates - please check the timetable carefully.  

Text books: n/a  

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WBS 933 Procurement Policy and Management  

6 cp  

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: In most leading firms today, the function that used to be called purchasing, or procurement, has expanded to become Supply Management. This subject looks at the expanded responsibilities of procurement and its integration with long-term strategic corporate planning. Procurement now includes participating collaboratively in key material requirements determinations and supplier qualification; and focuses on the management of supplier relations and performance. This subject incorporates all these areas in the development of procurement and supply chain management.  

Subject Objectives: n/a  

Additional Information: All Business School subjects do not run to the "normal" University session dates, please check the timetable carefully.  

Text books: n/a  

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WBS 945 MBA Project  

18 cp  

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: The Project must be a substantial research effort that indicates an in-depth study of an MBA related topic. Students will be required to demonstrate knowledge of current thinking and literature in the area. The project can be case based and may be part of some aspect of the student's work and/or experience. A report must be produced in a format that meets agreed guidelines. Students may expect that they will be assessed on the basis of having completed approximately 360 hours of work for this project. Part of this assessment will involve a seminar.  

Subject Objectives: n/a  

Additional Information: Students cannot enrol in this subject without the approval of the MBA Coordinator. This subject is not part of the current MBA program.  

Text books: n/a  

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WBS 950 Quality Systems For Competitive Advantage.  

6 cp  

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: This subject provides an introduction to Quality Management in organisations undergoing rapid change. It provides frameworks of understanding for the development of the quality movement in post-industrial society and as a coherent field of intellectual study; an overview of quality tools and their purposes; the critical roles of people and change in quality organisations; and an understanding of services marketing with particular focus on service quality and customer satisfaction.  

Subject Objectives: On successfully completing this subject, students will be able to understand the development of the quality movement and its transformation into achieving business excellence through the use of intellectual systems and corporate knowledge tools: the concepts of competitive advantage in a knowledge based economy; the critical importance of people based change in implementing quality effectively, quality systems and the broad range of quality tools available to organisations in developing and sustaining competitive advantage.  

Additional Information: All Business School subjects do not run to the "normal" University session dates. Please check the timetable carefully. This subject is also available via Distance Education.  

Text books: Imai, M.
WBS 953 Management of Service Quality 6 cp
Pre-requisites: WBS950: Quality Systems for Competitive Advantage
Co-requisites: WBS 950: Quality Systems for Competitive Advantage
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This course identifies and examines the framework of understanding from which the Management of Service Quality can be analyzed and improved, as a contribution to the long term Competitive Advantage of Organisations in rapid change economics. The course will review the main theories and approaches to Service Management, and will develop case studies and exemplars of best practice service management for a range of industries and organisations. This subject is based on a framework of service issues that allows common principles of both manufacturing and service organisations to be studied. Similarities, contrasts and unique topics in each industry are pointed out so that the widest variety of students will feel comfortable with the subject material. The combination of text, short cases and readings make this subject suitable for an introductory subject in service quality. The assignments allow for in-depth analysis for students with prior service experience.

Subject Objectives: This subject will teach students to develop a strategy for providing service that matches the target market with the strengths of the service company. Decisions in support of the service strategy, such as location, layout, capacity, inventory, distribution, and quality assurance will also be studied. The management of Technologies and Human Resources will also be addressed.

Additional Information: All Business School subjects do not run to the "normal" University session dates. Please check the timetable carefully. Please refer all enquiries to either Michael Hough or Phil Scott at The Business School.

Text books: Fitszimmons and Fitszimmons

WBS 954 Quality Management and Design 6 cp
Pre-requisites: WBS950: Quality Systems for Competitive Advantage
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This course emphasises the application of organisation level improvement techniques in the effective management of Learning Organisations in a post industrial rapid change economy. Issues covered emphasise Organisational Performance Measurement (OPM) and improvement, and develop intellectual frameworks for the contribution of good design to the effective management of quality systems in organisations; the establishment of new styles of competitive advantage through quality systems in Learning Organisations; using OPM to improve specific quality environments and the development of a futures perspective on the likely successful features of quality organisations in non-ferrous manufacturing environments such as transgenics, nanotechnologies, molecular manufacturing.

Subject Objectives: Please refer to subject outline.

Additional Information: Please refer to The Business School. All Business School subjects do not run to the "normal" University session dates. Please check the timetable carefully. This subject is also available via Distance Education.

Text books: Nil

WBS 955 Quality Assurance 6 cp
Co-requisites: n/a
Restrictions: n/a

Exclusions: n/a
Assessment: n/a
Subject Description: This course provides an opportunity for specialised interest study within the Quality management program, by developing the following frameworks of understanding: The terminologies and propose of Quality Assurance, studies of selected methodologies of Quality Assurance; a Case Study in Quality Assurance; preparing an organisation for a selected QA award or accreditation.

Subject Objectives: On successfully completing this subject, students will be able to: Understand different approaches to QA; have developed a conceptual overview of the different recognised approaches to QA; an understanding of selected, specialised versions of QA eg. in software and environmental contexts; studied selected methodologies of QA including AS/ISO 9000 and 14000, and the Quality Awards including the Australian Business Excellence Award, and undertaken a significant case study in preparing an organisation for a specific QA outcome.

Additional Information: All Business School subjects do not run to the "normal" University session dates. Please check the timetable carefully. Please refer all enquiries to either Michael Hough or Phil Scott at The Business School.

Text books: Nil

WBS 970 Management Project Planning 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

WBS 971 Quality Management Project 6 cp
Pre-requisites: LACT202 or ELEC211
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

WBS 975 Thesis in Quality Management 48 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
WBS 979  Accounting for a Global Economy  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Refer to Subject Outline.

Subject Description: This subject provides an introduction to the role that accounting and financial management play in a global economy. Key competencies covered in this subject are: the interpretation of financial reports, using accounting information to make short and long term decisions; using accounting information for control purposes; an introduction to risk management; the cost of various sources of finance; the capital structure; dividend; dividend policy etc.

Subject Objectives: On successful completion of this subject, a student will be able to: 1. Understand the role that accounting plays in the global economy, 2. Use financial accounting data to make informed investment decisions, 3. Use management accounting data for both decision making and control purposes, 4. Have a framework for understanding how to manage for financial risk, 5. Understand the costs and sources of investment capital, and 6. Appreciate the dynamics of capital structure and dividend decisions.

Additional Information: All Business School subjects do not run to the "normal" University session dates. Please check the timetable carefully.

Text books: Glynn et al.

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WBS 980  International Financial Analysis and Decision Making  6 cp

Pre-requisites: WBS979; Accounting in a Global Economy
Co-requisites: n/a
Restrictions: n/a
Exclusions: ACCY928

Assessment: n/a

Subject Description: This subject introduces students to financial management in an international context. In any one intake, the topics will be selected from 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 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.

Subject Objectives: On successful completion of this subject, students will have demonstrated an understanding of the financial challenges faced by organisations operating in an international environment, as well as their financial decision making processes to evaluate and manage these challenges.

Additional Information: All Business School subjects do not run to the "normal" University session dates. Please check the timetable carefully.


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<td>Intake B</td>
<td>Total 36-40 Sydney Modular</td>
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WBS 981  Employment Relations in an International Context.  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Refer to subject outline.

Subject Description: This subject will include the following: introduction to global marketing; the global economic environment; international organisations/regional groupings; social, cultural, political, legal and regulatory environments; the impact of the global financial environment and foreign exchange decisions on marketing; global management information systems and research; market entry mode strategies; marketing, licensing, joint ventures, strategic alliances and wholly-owned subsidiaries; global segmentation, targeting, product and pricing decisions; international logistics planning; global marketing communications decisions and the global marketing plan.

Subject Objectives: 1. Utilise cases and international business reports and readings to evaluate advertising problems/opportunities in an international environment. 2. Identify and analyse opportunities within international marketing environments using various strategic marketing techniques. 3. Enhance problem-solving skills by analysing global marketing strategies. 4. Evaluate international advertising campaigns and/or marketing strategies. 5. Develop an international advertising/promotional campaign for a business firm using strategic decision making processes. 6. Present final subject project through a written report.

Additional Information: All Business School subjects do not run to the "normal" University session dates, please check the timetable carefully.

Session | contact hours | campus | delivery method
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Intake B | Total 36-40 | Wollongong | Modular
Intake C | Total 36-40 | Sydney | Modular

WBS 983 International Economic Environment for Business 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject examines the national and international factors which shape the business environment. The interplay between macro and microeconomic is examined as well as the impact of national economic policies on business. The role of international trade and foreign investment is discussed along with protectionism, foreign direct investment, payments between the nations, exchange rates and globalisation. A framework for evaluating the costs and benefits of government policies will be developed.

Subject Objectives: Students will develop knowledge and understanding of - economic concepts and their application to international business issues; - how the market system allocates resources; - the operations of national economies in a global environment; - structures and institutions in the global economy; and - the role of trade and financial flows in international business. Students will develop skills in - investigating; - communicating; - using mathematical ideas and techniques; and - planning and organising.

Additional Information: All Business School subjects do not run to the “normal” University session dates. Please check the timetable carefully.

Text books: n/a

WBS 984 International Business Strategy 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: WBS920 and MGMT961
Assessment: Refer to subject outline.

Subject Description: This is one of the five compulsory subjects for the Master of International Business which brings together and develops in more detail specific subject material covered in the other four compulsory subjects for the program. Integrative key topic areas are drawn from: strategic operations, finance, marketing, macro-economics, competitive advantage and corporate and global strategies.

Subject Objectives: On completion of this subject the student should be able to: Develop views on the role, importance and limitations of international strategic management in multinational enterprise today. Understand and demonstrate some proficiency in analysing the international business environment, including ethical and political considerations. Develop an ability to create and develop international business scenarios. Understand the importance of gathering information relevant to international strategic initiatives and to fine-tune abilities to seek out and filter this information appropriately. Develop ability to take strategic decisions based on information available and scenarios created.

Additional Information: WBS920 and WBS984 are identical subjects. MBA students enrol in WBS920, MIB students enrol in WBS984. All Business School subjects do not run to the "normal" University session dates - please check the timetable carefully. The Business School subjects do not run to the “normal” University session dates, please check the timetable carefully.

Text books: n/a

WBS 991 Management Project - Part 1 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session | contact hours | campus | delivery method
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Intake B | Total 36-40 | Wollongong | Modular
Intake D | Total 436-40 | Wollongong | Modular
Intake B | Total 36-40 | Sydney | Modular
Intake D | Total 35-40 | Sydney | Modular
Autumn | Distance - nil contact hours | Wollongong | Distance

WBS 992 Management Project - Part 2 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session | contact hours | campus | delivery method
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Spring | n/a | Wollongong | On Campus
Autumn | n/a | Wollongong | On Campus

WBS 993 Business Research Thesis - Minor 24 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session | contact hours | campus | delivery method
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Spring | n/a | Wollongong | On Campus
Autumn | n/a | Wollongong | On Campus

WBS 994 Business Research Thesis - Major 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session | contact hours | campus | delivery method
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Spring | n/a | Wollongong | On Campus
Autumn | n/a | Wollongong | On Campus
The Graduate School of Journalism is a member unit of the Faculty of Creative Arts.

Courses Offered

The Faculty of Creative Arts offers postgraduate courses in Creative Writing, Music, Theatre, Visual Arts, Graphic Design and New Media and Journalism.

The following courses are available in Creative Writing, Music, Theatre, Visual Arts, and Graphic Design and New Media.

- Doctor of Philosophy
- Doctor of Creative Arts
- Honours Master of Arts by Research
- Master of Creative Arts

The following postgraduate courses are available in Journalism:

- Doctor of Philosophy by Research
- Honours Master of Arts (Journalism) by Research
- Honours Master of Journalism by Coursework
- Master of Journalism
- Graduate Certificate in Multicultural Journalism

Current Research Areas

The Faculty of Creative Arts has a limited number of places available each year for suitably qualified candidates to undertake postgraduate degrees in the following areas:

- Creative Writing
- Visual Arts
- Poetry
- Prose Fiction
- Contemporary Visual Arts Theory
- Script Writing
- Curatorial Theory and Practice
- Music
- Graphic Design and New Media
- Composition
- Graphic Design
- Musicology and Analysis
- Web Design
- Performance
- Interactive Multimedia
- Digital Imaging
- Theatre
- Photography
- Performance
- Graphic Design and New Media Theory
- Production
- Dramaturgy
- Theatre Studies

The Faculty also conducts interdisciplinary research relating to the above areas.

Further Course and Faculty information can be viewed at the faculty's Web site at http://www.uow.edu.au/crearts

Doctor of Philosophy

The Doctor of Philosophy (PhD) is based on submission of a thesis in a scholarly field or a combination of scholarly thesis and creative work.

Length of Course

Minimum of 2 to 3 years full-time or 4 to 6 years part-time.

Requirements for Admission

Applicants for the PhD should have a relevant first degree with Honours Class II, Division 1, or higher, or possess equivalent qualifications. For applicants wishing to submit by a combination of thesis and creative work the applicant needs to demonstrate that both their academic and artistic background equates with the above minimum standard. In certain circumstances students may be required to commence their enrolment in the MA(Hons) and seek transfer to the PhD when and if they achieve a suitable standard.

Candidates for the PhD enrol in CRFA940 Doctoral Thesis Creative Arts.
Course Structures

Doctor of Creative Arts

The Doctor of Creative Arts (DCA) is based on presentation of creative work and supported by written documentation pertaining to the work.

Length of Course

Minimum of 2 to 3 years full-time or 4 to 6 years part-time.

Requirements for Admission

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

As a guide, students completing the MCA will need to achieve at or near a High Distinction average to be considered for entry to the DCA. Likewise, students who have completed coursework masters degrees at other universities should be aware that such qualifications may not be regarded as adequate preparation for immediate entry to the DCA program.

In certain circumstances students may be required to commence their enrolment in the MA(Hons) and seek transfer to the DCA when and if they achieve a suitable standard.

Outstanding arts practitioners without the required formal qualifications may be allowed to enrol in the DCA provided they can demonstrate a sustained period of artistic activity at the highest level. It is important that applicants submit adequate material to demonstrate the quality and standing of their work.

Candidates for the DCA enrol in CREA930 Doctoral Presentation Creative Arts.

Honours Master of Arts

The Honours Master of Arts is a research degree that prepares students for entry to a doctoral program. Research areas include creative writing, music, theatre, visual arts and graphic design and new media disciplines. Students complete a thesis in a scholarly field or submit through a combination of scholarly thesis and creative work.

Length of Course

Minimum of 1 to 2 years full-time or 2 to 4 years part-time.

Requirements for Admission

Applicants for the MA(Hons) should have an Honours Bachelor degree in an appropriate discipline at Class II, Division 1 or higher, or its equivalent. Candidates for the MA(Hons) enrol in CREA920 Masters Thesis Creative Arts.

Students without appropriate qualifications may be admitted to the program by initially undertaking CREA921 Preliminary Topics in Creative Arts.

Master of Creative Arts

The Master of Creative Arts (MCA) is an intensive course focusing on the attainment of high level practical skills. It normally consists of two units of coursework plus a major presentation.

Assessment for the major presentation will be by one external and at least one internal assessor.

Each student is allocated a supervisor(s) who is responsible for the overall program and supervision of the student's work, and for ensuring that the administration of work is effective and sensitive to the student's needs. The supervisor(s) works with the student and advises on:

1) development of practical work and its documentation;
2) preparation of creative work;
3) research and writing relevant to the student's work; and
4) writing of essays, set exercises, and other tasks where appropriate.

Students and supervisors should establish a schedule of meetings.

To be eligible for the award of MCA students must submit all work on, or before, agreed dates unless permission for late submission has been obtained from the supervisor(s).

It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested applicants should contact the Associate Dean (Research and Postgraduate).

Length of Course

Minimum of 1 year full-time or 1.5 to 2 years part-time.

Requirements for Admission

Applicants for admission to the MCA program should hold a first degree in an appropriate area. Students without adequate formal qualifications may be required to complete up to 48 credit points 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.

Subjects leading to the Master of Creative Arts are listed below:

Postgraduate Program in Creative Writing
WRIT913  Major Presentation - Writing
WRIT910  Analysis of Texts
WRIT911  Literary Composition

Postgraduate Program in Music Performance
MUS913  Major Presentation - Music Performance
MUS910  Minor Thesis Music
MUS912  Studies in Performance Technique
Postgraduate Program in Music Composition
MUS914 Major Presentation - Music Composition
MUS910 Minor Thesis Music
MUS915 Studies in Composition Technique

Postgraduate Program in Theatre
THE913 Major Presentation - Theatre
THE9010 Theatre Analysis
THE911 Advanced Techniques in Theatre

Postgraduate Program in Visual Arts
V1S913 Major Presentation - Visual Arts
V1S910 Visual Arts Theory
V1S911 Studies in Production and Analysis of Visual Arts

Postgraduate Program in Graphic Design and New Media
DES913 Major Presentation - Graphic Design and New Media
DES910 Graphic Design and New Media Theory
DES911 Minor Thesis Graphic Design and New Media

Other Subjects
CREA950 Aesthetics: Design Application
CREA951 Aesthetics: Sound Application

GRADUATE SCHOOL OF JOURNALISM

Current Research Areas
- Journalism practice and history
- Australian media structure
- Journalism and new communication technologies
- Comparative journalism studies
- Public journalism
- Documentary journalism

Aims of the Graduate School of Journalism
To provide thorough training in vocational journalism for graduates who want to develop professional skills with a view to working in the news media industry. To give journalists with professional experience an opportunity to acquire a postgraduate qualification and develop a specialist area of interest. To stimulate research in the areas listed above.

Flexible Delivery
Some subjects in the Master of Journalism and the Graduate Certificate in Multicultural Journalism are offered by flexible delivery and students will be able to choose from hardcopy materials, CD Rom and/or Online (WebC'l). Students using CD Rom will need to have access to a computer with a cross platform capability and have Netscape and Acrobat reader installed. Off campus students will receive printed hardcopy materials for all subjects (on offer) and for some subjects video materials will also be provided. Both on and off campus students will be required to use email.

Information and Application Forms
A prospectus, application form and fee schedule is available from:
UniAdvice
University of Wollongong
Northfields Ave
WOLLONGONG 2522
Telephone: 1800 680 320
Email: unia dvic e@uow.edu.au

Information about the School and course details can be viewed at the Journalism web site: http://www.uow.edu.au/crearts/journalism/

For specific information please contact the School on 02 42213100.

Other Off Campus Courses
The Graduate School of Journalism, through a flexible delivery approach, offers the Master of Journalism (MJ) to students in overseas countries. The School currently offers the MJ through the Open University of Hong Kong. To obtain an information package please contact:
The Open University of Hong Kong
LiPACE Li Ka Shing Institute of Professional and Continuing Education
4/F Shun Tak Centre
168 Connaught Road Central
Hong Kong
Telephone: 852 3120 9809
Facsimile: 852 23818456
Email: ccc@olivl.ouhk.hk

For information about courses in other countries please contact the Head of the Graduate School of Journalism on 02 42213100.

Doctor of Philosophy
The Doctor of Philosophy (PhD) is based on submission of a scholarly thesis of between 80,000 to 100,000 words.

Length of Course
This degree is normally completed in not less than two years (four consecutive sessions excluding the Summer session) with a maximum period of four years of full-time research (or eight consecutive sessions) from the date of registration.
Part-time candidates shall normally complete the research dissertation in not less than three years (six consecutive sessions excluding the Summer session) and a maximum period of six years (or twelve consecutive sessions).
Course Structures

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

Admission to the degree shall be subject to the approval of the Head of School. Applicants must submit a statement detailing their research history, together with a proposal (1,200 words maximum) of their intended research.

Candidates for this degree enrol in JOUR999 Thesis.

Honours Master of Arts (Journalism) by Research

The Honours Master of Arts is a research degree that prepares students for entry to a doctoral program. The course is based on submission of a scholarly thesis of approximately 50,000 words.

Length of Course

Minimum time to complete the degree is one year full-time (or two consecutive sessions) with a maximum of two years. Part-time students will normally complete in not less than two years (or four consecutive sessions) with a maximum of four years from the date of registration.

Requirements for Admission

Applicants should have a relevant first degree with Honours Class II, Division 1, or higher, or a Masters at Pass level either in journalism or in a related area, or possess equivalent qualifications. Applicants without formal qualifications but with industry experience (4 years) will be considered. Documentation will be required. All applicants must submit a statement detailing their research history, together with a proposal (800 words maximum) of their intended research.

Candidates for this degree enrol in JOUR999: Thesis.

Honours Master of Journalism by Coursework

The Honours Master of Journalism comprises coursework and the presentation of a research thesis of 25,000 words or if appropriate, sound video or multi-media material.

Length of Course

For a candidate who has completed a bachelor degree at a standard of Honours Class II, Division 2 or higher or the Master of Journalism passed at a credit level or higher, approved equivalent qualification, the minimum time to complete the Honours Master of Journalism is two sessions full-time, excluding the summer session, or four sessions part-time.

For a candidate who has not completed a bachelor degree at a standard of Honours Class II, Division 2 or higher or the Master of Journalism passed at a credit level or higher, the minimum time to complete the Honours Master of Journalism is four sessions full-time, excluding the summer session, or eight sessions part-time.

Requirements for Admission and Course Structure

Applicants should have a relevant first degree with Honours Class II, Division 2, or higher, or a Masters at Pass level either in journalism or in a related area, or possess equivalent qualifications, or relevant industry based experience of approximately four years.

1. For a candidate with a bachelor degree at pass level or equivalent the total course requirements shall be 96 credit points.

Subjects will comprise:

Qualifying Course (48 credit points)
Subjects selected from 900 level subjects offered by the Graduate School of Journalism to be passed at a credit level or higher.

Compulsory Subject (24 credit points)
JOUR992 Major Journalism Presentation

Elective Subjects (24 credit points)
Subjects selected from 900 level subjects offered by the Graduate School of Journalism or subjects selected from 300 level subjects offered by other academic units approved by the Head of School.

2. For a candidate who has completed a bachelor degree at Honours Class II, Division 2 or higher, or the Master of Journalism passed at a credit level or higher, the total course requirement shall be 48 credit points. Subjects will comprise:

Compulsory subject (24 credit points)
JOUR992 Major Journalism Presentation

Elective subjects (24 credit points)
Subjects selected from 900 level subjects offered by the Graduate School of Journalism or subjects selected from 300 level subjects offered by other academic units approved by the Head of School.

3. All applicants must submit a statement detailing their research history, together with a proposal (800 words maximum) of their intended research.

Subjects leading to the Honours Master of Journalism by coursework:

Compulsory Core Subject:
JOUR992 Major Journalism Presentation

Elective Subjects:
JOUR901 News and Feature Writing
JOUR902 Journalistic Method and Practice
JOUR903 Ethics, Law and Standards
JOUR905 Specialist Journalism 1
JOUR906 Specialist Journalism 2
JOUR931 Broadcasting Journalism
JOUR932 Television Journalism
JOUR933 On-Line and Research Journalism
The purposes of the Master of Journalism by coursework are:

a) to provide critical education and vocational training in journalism;

b) to assist students in adapting to structural and technological change in journalism;

c) to promote critical evaluation of professional journalism processes through teaching and research.

Length of course and requirements for admission

Students shall be admitted under the rules covering the University’s Master of Arts degree offerings, with the additional provisions below:

a) Admission to candidates shall be on the recommendation of the Head of School. Applicants should have a relevant first degree. Qualified journalists are eligible for consideration to be admitted on the basis of documented evidence. All applicants unless otherwise stated, must submit a 800 word essay on a topic determined by the Head.

b) Pass students are required to successfully complete a program of studies approved by the Head which must total 48 credit points, except where advanced standing is awarded or exemption is given, and such other compulsory subjects as the Head may prescribe. Both JOUR901 and JOUR933 must be completed successfully before commencing any electives unless the Head determines otherwise.

c) All students must complete the core subjects, except where advanced standing is awarded or exemption is given, and such other compulsory subjects as the Head may prescribe. In addition, students are required to successfully complete a program of studies approved by the Head which must total 48 credit points, except where advanced standing is awarded or exemption is given, and such other compulsory subjects as the Head may prescribe. Both JOUR901 and JOUR933 must be completed successfully before commencing any electives unless the Head determines otherwise.

d) With the approval of the Head, and the relevant Faculties and Departments, students may also take a maximum of three subjects from other postgraduate and undergraduate courses where it can be shown that this will assist in the development of specialist skills in journalism. Approved vocational electives in the undergraduate level are offered by the Faculty of Creative Arts.

e) Students may also complete a major project approved by the Head, or an internship in a professional media organisation, or such field work as the Head may prescribe.

f) Students shall discuss their proposed program with an academic adviser from the Graduate School of Journalism prior to enrolment.

(g) The Master of Journalism shall be available both as a full-time and part-time program. Full-time pass students are expected to complete the degree in two academic sessions, and part-time pass students in four sessions.

(h) Overseas students with no previous experience in academic presentation in English have the option of taking as part of their approved course the subject ELS151 Introduction to English for Academic Purposes offered by Modern Languages in the Faculty of Arts. Overseas students with limitations in English expression may also choose, on the advice of the Head, to take other FLS subjects as part of their course.

Subjects leading to the Master of Journalism

Compulsory Core Subjects:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>JOUR901</td>
<td>News and Feature Writing*</td>
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<tr>
<td>JOUR902</td>
<td>Journalistic Method and Practice*</td>
</tr>
<tr>
<td>JOUR903</td>
<td>Ethics, Law and Standards*</td>
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<tr>
<td>JOUR933</td>
<td>On-Line and Research Journalism*</td>
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Elective Subjects:

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>JOUR905</td>
<td>Specialist Journalism 1</td>
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<tr>
<td>JOUR906</td>
<td>Specialist Journalism 2</td>
</tr>
<tr>
<td>JOUR931</td>
<td>Broadcasting Journalism*</td>
</tr>
<tr>
<td>JOUR932</td>
<td>Television Journalism*</td>
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<td>JOUR934</td>
<td>Print Production and Publication*</td>
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<tr>
<td>JOUR936</td>
<td>International Journalism*</td>
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<td>JOUR942</td>
<td>Current Affairs Journalism*</td>
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<tr>
<td>JOUR943</td>
<td>Directed Readings in Journalism*</td>
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<tr>
<td>JOUR945</td>
<td>Advanced Journalism Project*</td>
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<tr>
<td>JOUR949</td>
<td>Multicultural Journalism*</td>
</tr>
<tr>
<td>JOUR991</td>
<td>Major Journalism Project*</td>
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<tr>
<td>JOUR992</td>
<td>Major Journalism Presentation (Honours students only)</td>
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</tbody>
</table>

Not all subjects are offered each session.

* These subjects are also available off campus or by flexible delivery.

Graduate Certificate in Multicultural Journalism

The purposes of the Graduate Certificate in Multicultural Journalism are:

a) To provide a path for journalists to attain higher academic qualifications;

b) To educate members of community organisations wanting to contribute to multicultural news services;
Course Structures

c) To provide a cross-cultural context in news definition, production and presentation;
d) To provide a grounding in journalism for students who are not professional journalists but plan to work in, or contribute to, multicultural news media.

Length of Course and Requirements for Admission

Candidates for the course should normally hold a degree or be able to show evidence of at least two years of relevant work experience. In special circumstances, representatives of multicultural communities wanting to contribute to multicultural news media services may be admitted as candidates on the basis of other academic qualifications or relevant professional experience. Students are required to successfully complete a program of studies which must total 24 credit points.

Students shall discuss their proposed program with an academic adviser from the Graduate School of Journalism prior to enrolment.

Advanced standing will be given only on the basis of documented professional experience in either print, radio or television journalism. The course normally takes three sessions to complete part-time.

The course is best suited for part-time study. Generally JOUR949 cannot be commenced before completion of the other core subjects. Full-time study may be permitted only by approval of the Head of School.

Subjects leading to the Graduate Certificate in Multicultural Journalism

JOUR903 Ethics, Law and Standards*
JOUR933 On-Line and Research Journalism*
JOUR949 Multicultural Journalism*

and, except where advanced standing has been given, one of the following four subjects:

JOUR901 News and Feature Writing*
JOUR931 Broadcasting Journalism*
JOUR932 Television Journalism*
JOUR936 International Journalism*

* These subjects are also available off campus or by flexible delivery.
CREA920 Masters Thesis Creative Arts 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: By two external examiners. Submission will be in the form of a scholarly thesis (100%) or scholarly thesis (50%) combined with creative work (50%).
Subject Description: 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 and creative work. Examples of creative work submission include folio of compositions or writing, exhibition of artwork and musical or dramatic performances. As a guide, the submission of creative work would normally not constitute less than the expectations in the subjects MUS913, MUS914, THEA913, VIS913 or WRT1913 as applicable. The exact nature of each submission will vary subject to the student’s educational and professional background and will be negotiated in consultation with the Associate Dean (Research and Postgraduate). A brief explanatory annotation may be submitted as a support to the creative work submission.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

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CREA921 Preliminary Topics in Creative Arts 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: By two internal examiners.
Subject Description: In this preparatory subject students will undertake a combination of essays, thesis, and presentation or performance of creative work. The program of study will be decided in consultation with the supervisor(s).
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

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CREA930 Doctoral Presentation Creative Arts 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: By two external examiners.
Subject Description: The submission of the DCA will normally be by exhibition, performance or publication of creative work in the area of specialisation, supported by written documentation (approximately 20,000 to 30,000 words) focusing on such aspects 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 and 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.
Subject Objectives: n/a
Additional Information: n/a

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CREA940 Doctoral Thesis Creative Arts 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: By two external examiners. Submission will be in the form of a scholarly thesis (100%) or scholarly thesis (50%) combined with creative work (50%).
Subject Description: As a guide, submission by thesis only will be in the range of 60,000 to 90,000 words with an equivalent workload where submission is by thesis and creative work. The exact nature of each submission will vary subject to the student’s educational and professional background and will be negotiated in consultation with the supervisor(s) and the Associate Dean (Research and Postgraduate). Examples of creative work submission include a folio of compositions or writing, exhibitions of artwork and musical or dramatic performances. As a guide, the scale of the submission of creative work would normally not constitute significantly less than for the Doctor of Creative Arts.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

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CREA950 Aesthetics: Design Application 12 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Through an extensive practical investigation of the Elements and Principals of Design, the student will utilise acquired knowledge to analyse, all aspects of applied Aesthetic Theory. To enhance students artistic endeavour, as well as highlight associated technical and commercial product development, particular attention will be placed on the specific application of line, shape, space and surface quality.
Subject Objectives: n/a
Additional Information: May not be on offer in 2001
Text books: n/a

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CREA951 Aesthetics: Sound Application 12 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Through an extensive practical investigation of sound aesthetics, design and production, the student will analyse all aspects of applied Aesthetic Theory, and evaluate the appropriateness of different audiophonic genres for a variety of purposes. To enhance the students creativity in the field of audiophonic production, as well as highlight applications for commercial utilisation, attention will be given to a range of media, artforms, situations and locales in which complex sound design is used.
Subject Objectives: n/a
Additional Information: May not be on offer in 2001
### Subject Descriptions

**Text books:** n/a  
**Session** contact campus delivery hours method  
n/a

#### DES 910  Graphic Design and New Media Theory  12 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** By two internal assessors.  
**Subject Description:** Students are required to present two 4,000 word essays. The first essay shall be a critique of the student’s own creative work to date. The second essay is a critical analysis of the student’s research topic. Both essays are undertaken in consultation with the supervisor and subject co-ordinator. The subject aims to explore historical and contemporary art practice and theory relevant to the student’s own work within broader cultural and industrial contexts.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** contact hours campus delivery method  
Spring n/a Wollongong On Campus  
Autumn n/a Wollongong On Campus  
Annual n/a Wollongong On Campus

#### DES 911  Minor Thesis Graphic Design and New Media  12 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** By two internal assessors.  
**Subject Description:** Students will present a 2000 word documentation of their creative exhibition undertaken for DES913. This can take the form of a catalogue, CD Rom or a website. In consultation with the supervisor, students will show evidence of research, theoretical grounding and critical evaluation of the issues concerning their creative exhibition. Students will be expected to work independently at an advanced level while consulting with their supervisor/s on a regular basis. Students will present a seminar on their creative work processes in the context of their field.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** contact hours campus delivery method  
Spring n/a Wollongong On Campus  
Autumn n/a Wollongong On Campus  
Annual n/a Wollongong On Campus

#### DES 913  Major Presentation - Graphic Design and New Media  24 cp

**Pre-requisites:** Pre or Co-requisite: DES910 and DES911  
**Co-requisites:** Pre or Co-requisite: DES910 and DES911  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** By at least one internal and one external assessor.  
**Subject Description:** Students will present a substantial exhibition of work that reflects technical skill, knowledge and use of hardware and software to develop, sustain and execute original ideas and researched materials in a cohesive and thematic way. As an example of content, designers should submit 10 graphic design works. Web designers would submit a major interactive web site or 3 smaller sites on the net. Multimedia designers would submit an interactive CD Rom that demonstrates an innovative design approach. All students must submit design roughs and supporting material for exhibition. Students must submit a detailed outline of their proposed work (research/production schedule) for the major presentation to the supervisor(s) by the fourth week of enrolment. It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested students should contact the Associate Dean (Research and Postgraduate).  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** contact hours campus delivery method  
Annual n/a Wollongong On Campus

#### MUS 910  Minor Thesis Music  12 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** By two internal assessors. Students will submit a 10,000 word analytical dissertation on a topic approved by the supervisor(s). The thesis must be submitted by the last teaching week of session.  
**Subject Description:** Students may be required to attend the subjects MUS301 Styles and Structures in Music 5 and MUS312 Australian Music. This requirement may be waived, with the approval of the supervisor(s), where the student can prove the prior completion of equivalent work. Students may be required to attend only and not to complete assessment for MUS301 and MUS312.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** contact hours campus delivery method  
Spring n/a Wollongong On Campus  
Autumn n/a Wollongong On Campus  
Annual n/a Wollongong On Campus

#### MUS 912  Studies in Performance Technique  12 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** By two internal assessors and will normally be by presentation of a two hour lecture-recital or equivalent work on a topic related to technique and performance in the student's area of specialisation.  
**Subject Description:** Students will attend and participate in a performance seminar and will participate, where requested, in Faculty ensembles.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** contact hours campus delivery method  
Spring n/a Wollongong On Campus  
Autumn n/a Wollongong On Campus  
Annual n/a Wollongong On Campus

#### MUS 913  Major Presentation - Music Performance  24 cp

**Pre-requisites:** Pre or Co-requisite: MUS910 and MUS912  
**Co-requisites:** Pre or Co-requisite: MUS910 and MUS912  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** By at least one internal and one external assessor.(1)  
**Subject Description:** (1) A 50 minute recital of major works from the instrumental or vocal repertoire, given in Spring session of a students full-time enrolment (or equivalent), is required. The recital program should be approved well in advance by the supervisor(s) and cover a stylistic gamut of music; and (2) A presentation of a concert or
equivalent work of approximately 20.30 minutes duration is also required. The work (which may, in the case of longer works, be a movement or movements of a concerto) should be chosen in consultation with the supervisor(s) and may be presented with piano reduction as accompaniment. Detailed annotations for both the concerto and recital presentation, of approximately 2,000 words, should be provided. Under normal circumstances students will receive 28 one hour individual lessons with an approved teacher and are also required to attend Performance classes as planned with the supervisor(s) and subject coordinator. Students must submit a detailed outline of their proposed work for the major presentation to the supervisor(s) four weeks in advance of the recital dates.

Subject Objectives: n/a
Additional Information: n/a

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MUS 914 Major Presentation - Music Composition 24 cp

Pre-requisites: Pre or Co-Requisite: MUS910 and MUS915
Co-requisites: Pre or Co-Requisite: MUS910 and MUS915
Restrictions: n/a
Exclusions: n/a

Assessment: Assessment: by at least one internal and one external assessor and will be based on submission of the following: 1.a portfolio of at least four compositions, including one major work for large ensemble; 2.sketches, tapes and other supporting material; 3.analytical commentaries on the works submitted; approximately 2,000 words.

Subject Description: Students must submit a detailed outline of their proposed work for the major presentation to the supervisor(s) by the fourth week of enrolment. It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested students should contact the Associate Dean (Research and Postgraduate).

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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<td>On Campus</td>
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MUS 915 Studies in Composition Technique 12 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: By two internal assessors on the completion of a project in one of the following areas (following consultation with the supervisor(s)): orchestration; studies in counterpoint or imitative compositional style; preparation of a new performance edition; studies in computer music; multi-media collaborative project.

Subject Description: Students will participate in composition seminars and workshops, and in Faculty ensembles as requested.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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THEA910 Theatre Analysis 12 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: By two internal assessors and will consist of a 10,000 word essay.

Subject Description: The student will undertake research based analysis (the scope of which may include the survey of historical and archival material, verbal history, critical commentary or the specific detailing of contemporary performance/production methodologies) that addresses a particular aspect of theatrically based performance.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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THEA911 Advanced Techniques in Theatre 24 cp

Pre-requisites: Pre or Co-Requisite: THEA910 and THEA911
Co-requisites: Pre or Co-Requisite: THEA910 and THEA911
Restrictions: n/a
Exclusions: n/a

Assessment: By at least one internal and one external assessor. Students will give a public presentation and a 2,000 word self analysis of the process undertaken with appropriate annotation and commentary.

Subject Description: The major presentation is the planning and implementation of a practical demonstration of the research and thesis development associated with THEA910 and THEA911. The parameters of the Presentation must be negotiated with the supervisor(s) following the completion of THEA910 and before advancing to THEA911. Students must submit a detailed outline of their proposed work for the major presentation to the supervisor(s) by the fourth week of enrolment. It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested students should contact the Associate Dean (Research and Postgraduate).

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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THEA913 Major Presentation - Theatre 24 cp

Pre-requisites: Pre or Co-Requisite: THEA910 and THEA911
Co-requisites: Pre or Co-Requisite: THEA910 and THEA911
Restrictions: n/a
Exclusions: n/a

Assessment: By at least one internal and one external assessor. Students will give a public presentation and a 2,000 word self analysis of the process undertaken with appropriate annotation and commentary.

Subject Description: The major presentation is the planning and implementation of a practical demonstration of the research and thesis development associated with THEA910 and THEA911. The parameters of the Presentation must be negotiated with the supervisor(s) following the completion of THEA910 and before advancing to THEA911. Students must submit a detailed outline of their proposed work for the major presentation to the supervisor(s) by the fourth week of enrolment. It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested students should contact the Associate Dean (Research and Postgraduate).

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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VIS 910 Visual Arts Theory 12 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
### Subject Descriptions

**VIS 911 Studies in Process and Analysis** 12 cp

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** By two internal assessors

**Subject Description:** In consultation with their supervisor(s), students will prepare a documentation of their creative work, both preparatory work and the final work selected for the major presentation. This will show an analysis of the processes, experimentation, materiality and content of the work. This documentation, with an essay of 2,000 words, and may take the form of an exhibition catalogue. Students will present a seminar on visual processes in the context of their field. They will consult with their supervisor(s) on a regular basis.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**VIS 913 Major Presentation - Visual Arts** 24 cp

- **Pre-requisites:** Pre or Co-Requisite: VIS910 and VIS911
- **Co-requisites:** Pre or Co-Requisite: VIS910 and VIS911
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** By at least one internal and one external assessor.

**Subject Description:** Students will present a substantial exhibition of work that reflects technical skill, knowledge and use of materials, and an ability to develop, sustain and execute original ideas in a cohesive and thematic way. Preparation of the major presentation should occupy students for at least four hours per day for the period of enrolment. As an example of content, paintings should submit at least eight major pieces plus drawings and supporting material of exhibitable standard. Equivalent workloads will be expected of students working in other areas of the visual arts. Students must submit a detailed outline of their proposed work for the major presentation to the supervisor(s) by the fourth week of enrolment. It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested students should contact the Associate Dean (Research and Postgraduate).

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**WRIT910 Analysis of Text** 12 cp

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** Essays 70%; seminar presentations 30%.

**Subject Description:** In fortnightly seminars students will undertake a detailed study of relevant texts in their area of specialisation, which may be in poetry, prose fiction or script writing. Students will examine texts in terms of composition and the techniques of writing and to achieve the reader's response. To some extent the subject will resemble advanced literary criticism, except that the emphasis will be on the techniques used by the writer rather than the reader's response.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**WRIT911 Literary Composition** 12 cp

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** Portfolio 60%; seminar paper/discussion 20%; statement of poetics 20%.

**Subject Description:** Candidates will be required to develop and refine their awareness of the techniques and processes of literary composition and to demonstrate their control of these through the composition of a major piece of writing in a mode outside of their usual practice. Candidates will be required to outline the techniques they were seeking in their writing and to describe and evaluate the techniques they have employed to achieve those effects.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**WRIT913 Major Presentation - Creative Writing** 24 cp

- **Pre-requisites:** Pre or Co-Requisite: WRIT910 and WRIT911
- **Co-requisites:** Pre or Co-Requisite: WRIT910 and WRIT911
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** A work/s of prose fiction (30,000 words); or a collection of poetry (60 pages); or a full-length theatre/film/television script. Assessment will be by one internal and one external examiner.

**Subject Description:** Students must submit a detailed outline of their proposed work for the major presentation to the supervisor(s) by the fourth week of enrolment. It may be possible for individuals with appropriate expertise to undertake studies which involve more than one discipline area. Interested students should contact the Associate Dean (Research and Postgraduate).

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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JOUR901 News and Feature Writing \hspace{1em} 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written assignments and practical work.
Subject Description: This foundation subject develops basic skills in straight news reporting to extended feature writing for newspapers and magazines. Attention will be given to subjective aspects of news and feature writing, including the use of comment and opinion; colour stories; the contribution of ‘new journalism’ to writing human interest stories; interviewing and information gathering techniques; and the application of conventional news values to reporting.
Subject Objectives: n/a
Additional Information: This is one of the four core subjects for the Master of Journalism. Both JOUR901 and JOUR933 must be completed successfully before commencing any electives.
Text books: n/a

JOUR902 Journalistic Method & Practice \hspace{1em} 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written assignments, practical exercises and an essay.
Subject Description: This subject considers the attributes of news, the nature of news construction, theories of news making and the structure of news narratives. It takes students through the process of initiating to the completion of a news assignment. Practical areas of discussion are: the structure and conventions of a news round, use of recording devices, interview techniques, working with photographers and camera teams, packaging of news copy, news construction, follow-ups and news management.
Subject Objectives: n/a
Additional Information: This is one of the four core subjects for the Master of Journalism. Both JOUR901 and JOUR933 must be completed successfully before commencing any electives.
Text books: n/a

JOUR903 Ethics, Law and Standards \hspace{1em} 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written assignments, essays, hypotheticals.
Subject Description: This subject examines the legal and ethical framework which governs the work of journalists. It considers the nature, efficacy and administration of ethical codes relevant to journalism, particularly the Media Entertainment and Arts Alliance (MEA/AA) Code of Ethics and the Australian Press Council’s Statement of Principles. Other aspects of professional conduct and professional standards considered include guarding against defamation actions; libel laws; breach of privacy; confidentiality; protection of sources; standards of accuracy, fairness and subjectivity in journalism.
Subject Objectives: n/a
Additional Information: This is one of the four core subjects for the Master of Journalism. Both JOUR901 and JOUR933 must be completed successfully before commencing any electives. For the Graduate Certificate in Multicultural Journalism this is one of three core subjects and generally should be completed before the one elective subject.
Text books: n/a

JOUR905 Specialist Journalism 1 \hspace{1em} 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Practical assignments and project.
Subject Description: This subject is designed to complement and amplify preliminary courses which cover broader aspects of news gathering and presentation. Specialist areas dealt with shall include one of the following areas: environment; science and technology; public affairs; arts, lifestyle and leisure; economics and business, and sports. Selected topics will cover conceptual approaches and skills in print journalism. NOTA: Usually, only one specialist area will be dealt with in this subject. A further option for study in specialist journalism will be available in JOUR906 Specialist Journalism.
Subject Objectives: n/a
Additional Information: This is an elective subject for the Master of Journalism but cannot be commenced before both JOUR901 and JOUR933 have been completed successfully.
Text books: n/a

JOUR906 Specialist Journalism 2 \hspace{1em} 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Practical assignments and project.
Subject Description: This subject provides an additional option of specialist study in a major area of contemporary journalism. Specialist areas are set out under JOUR905 Specialist Journalism 1. However, the concepts and skills taught will mainly focus on the electronic journalistic genre.
Subject Objectives: n/a
Additional Information: This is an elective subject for the Master of Journalism but cannot be commenced before both JOUR901 and JOUR933 have been completed successfully.
Text books: n/a
JOUR931 Broadcasting Journalism 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Contact work on radio and television
Subject Description: This subject provides advanced skills in script writing, editing, producing and presenting television news and current affairs programs. A primary emphasis will be placed on techniques for gathering television news or documentary materials in the field. NOTE: This subject provides the foundation for Current Affairs Journalism JOUR942.

Subject Objectives: n/a

Additional Information: This is an elective subject for the Master of Journalism (MJ) and Graduate Certificate in Multicultural Journalism. For the MJ both JOUR901 and JOUR933 must be completed before commencing this subject. For the Graduate Certificate generally the core subjects should be completed first i.e. JOUR903, JOUR933 and JOUR949.

Text books: n/a

Session | contact hours | campus | delivery method
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Spring | 3 hrs 1 day per week | Wollongong | On Campus
Spring | n/a | Hong Kong | Flexible
Autumn | 3 hrs 1 day per week | Wollongong | On Campus
Autumn | n/a | Wollongong | Distance
Spring | n/a | Wollongong | Distance

JOUR932 Television Journalism 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written and field assignments
Subject Description: This subject provides advanced skills in script writing, editing, producing and presenting television news and current affairs programs. A primary emphasis will be placed on techniques for gathering television news or documentary materials in the field. NOTE: This subject provides the foundation for Current Affairs Journalism JOUR942.

Subject Objectives: n/a

Additional Information: This is an elective subject for the Master of Journalism (MJ) and Graduate Certificate in Multicultural Journalism. For the MJ both JOUR901 and JOUR933 must be completed before commencing this subject. For the Graduate Certificate generally the core subjects should be completed first i.e. JOUR903, JOUR933 and JOUR949.

Text books: n/a

Session | contact hours | campus | delivery method
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Spring | 3 hrs 1 day per week | Wollongong | On Campus
Spring | n/a | Hong Kong | Flexible
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JOUR933 On-Line and Research Journalism 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written and field assignments
Subject Description: This subject is designed to develop a range of research and journalism investigative methods. It will include the use of online data bases, the Internet, library and archive work and other sources of public information. The use of survey material in journalism will be studied, particularly the presentation of this data in a new 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.

Subject Objectives: n/a

Additional Information: This is one of the four core subjects for the Master of Journalism. Both JOUR901 and JOUR933 must be completed successfully before commencing any electives. For the Graduate Certificate in Multicultural Journalism this is one of three core subjects and generally should be completed before the one elective subject.

Text books: n/a

Session | contact hours | campus | delivery method
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Autumn | n/a | Hong Kong | Flexible
Autumn | n/a | Wollongong | Distance
Spring | n/a | Wollongong | Distance

JOUR934 Print Production and Publication 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written assignments and workshop assessment
Subject Description: This subject focuses on the production of inhouse newsletters and magazines by a combination of conventional techniques and desktop publishing. Topics include copy preparation and editing, principles of typography, news layout, news illustration, production planning and desktop publishing applications.

Subject Objectives: n/a

Additional Information: This is an elective subject for the Master of Journalism (MJ) and the two core subjects JOUR901 and JOUR933 must be completed before commencing this subject.

Text books: n/a

Session | contact hours | campus | delivery method
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Spring | 3 hrs 1 day per week | Wollongong | On Campus
Autumn | n/a | Hong Kong | Flexible
Autumn | n/a | Wollongong | Distance
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JOUR936 International Journalism 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Assignments and one hour examination in class.
Subject Description: This seminar-based subject focuses on international news flow in the context of the New World Information Order debates in the early 70s and news flow in the context of Internet communication; culture, values and ideology in international news production (discussions derived mainly from Australian reporting of Asia); media systems in selected Asia-Pacific countries; and renewed interest in community development oriented journalism.

Subject Objectives: n/a

Additional Information: This is an elective subject for the Master of Journalism (MJ) and Graduate Certificate in Multicultural Journalism. For the MJ both JOUR901 and JOUR933 must be completed before commencing this subject. For the Graduate Certificate generally the core subjects should be completed first i.e. JOUR903, JOUR933 and JOUR949.

Text books: n/a
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**JOUR945 Advanced Journalism Project** 6 cp

| Pre-requisites: n/a |
| Co-requisites: n/a  |
| Restrictions: n/a   |
| Exclusions: n/a     |

**Assessment:** Written evaluations of progress; final research report which may include electronic media and print production material.

**Subject Description:** This subject provides a shorter alternative project for final session students not wanting to undertake the major project, or electing to do additional course work, or wanting to develop vocational skills acquired in previous subjects. Project areas available include: news design and presentation on the World Wide Web; print media production; electronic news gathering and production; multimedia production.

**Subject Objectives:** n/a

**Additional Information:** This is an elective subject for the Master of Journalism (MJ); both core subjects JOUR901 and JOUR933 must be completed before commencing this subject.

| Text books: n/a |
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**JOUR946 Journalistic Research** 6 cp

| Pre-requisites: n/a |
| Co-requisites: n/a  |
| Restrictions: n/a   |
| Exclusions: n/a     |

**Assessment:** Major written evaluation of about 7,000 words of the selected reading program.

**Subject Description:** This subject enables students to extend their knowledge of the theory and practice of journalism by directed reading courses in selected topics. Topics available include: structure of the Australian news media; news media management in the cyberage; comparative media systems and practices; qualitative studies of individual journalists and their work; and textual analysis. On the advice of an academic adviser, students have the option of nominating their own topic.

**Subject Objectives:** n/a

**Additional Information:** This is an elective subject for the Master of Journalism (MJ); both core subjects JOUR901 and JOUR933 must be completed before commencing this subject.

| Text books: n/a |
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**JOUR949 Multicultural Journalism** 6 cp

| Pre-requisites: n/a |
| Co-requisites: n/a  |
| Restrictions: n/a   |
| Exclusions: n/a     |

**Assessment:** Assignments and publications.

**Subject Description:** This subject provides an historical, cultural and social background for students wanting to work in Australia's growing multicultural media. It will give practical instruction in multicultural print, electronic and multi-media news applications. Particular emphasis is placed on differences between news production and presentation in multicultural media and traditional media.

**Subject Objectives:** n/a

**Additional Information:** This is an elective subject for the Master of Journalism (MJ) and both JOUR901 and JOUR933 must be completed before commencing this subject. For the Graduate Certificate in Multicultural Journalism this is one of three core subjects and generally should be completed before the one elective subject.

| Text books: n/a |
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**JOUR991 Major Journalism Project** 12 cp

| Pre-requisites: n/a |
| Co-requisites: n/a  |
| Restrictions: n/a   |
| Exclusions: n/a     |

**Assessment:** Two interim reports and major research or fieldwork report.

**Subject Description:** This subject is designed to give students the opportunity to undertake either a major research project or substantial
Subject Descriptions

supervised practical work. In particular, it allows students to complete an internship with a media organisation. Such placement should generally have a minimum duration of four weeks. Students on internship are required to submit detailed records of their work experience, supported by verification from the media organisation, and an internship report of 2,500 words. Research projects should be linked directly to subject areas represented in the journalism schedule, and may include an essay of 10,000 words, visual, sound or multi-media components.

Subject Objectives: n/a

Additional Information: This is an elective subject for the Master of Journalism (MJ) but both JOUR901 and JOUR933 must be completed before commencing this subject.

Text books: n/a

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<th>Delivery Method</th>
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<td>Summer 2001/2002</td>
<td>n/a</td>
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</table>

JOUR992 Major Journalism Presentation  24 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Progress reports and final thesis.

Subject Description: The topic for a major presentation by honours students must be discussed and approved by the Head of School or the Head's nominee. The length of the textual presentation should be about 25,000 words, or its equivalent. Students may also submit sound, video and multi-media material. In addition to excellence in Journalism, the presentation will need to demonstrate the candidate's capacity to conduct independent research, to construct critical scholarly arguments, and to evaluate professional practice in comparative contexts.

Subject Objectives: n/a

Additional Information: This is an elective subject for the Master of Journalism (MJ) and both JOUR901 and JOUR933 must be completed before commencing this subject.

Text books: n/a

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<tr>
<td>Autumn</td>
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<td>On Campus</td>
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<tr>
<td>Summer 2001/2002</td>
<td>n/a</td>
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<td>On Campus</td>
</tr>
</tbody>
</table>

JOUR999 Thesis  48 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: By two external examiners.

Subject Description: The Doctor of Philosophy (PhD) is based on submission of a scholarly thesis of a maximum of 100,000 words. The submission for the Honours Master of Arts (Journalism) is a thesis of approximately 50,000 words.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

<table>
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</table>
Subjects offered by the Graduate School of Education are structured to offer a series of articulated courses progressing from Graduate Certificate to Doctoral level. Candidates without the teacher training background of many of our traditional graduate students can enter postgraduate study in the School at either Graduate Certificate or Graduate Diploma level, and then proceed through the higher degree structure in their area of interest. A range of Graduate Certificates in the areas of Literacy, TESOL, Special Education, Gifted Education, Adult Career Development, and Computer Based Learning have been introduced to provide access to graduate study in educational settings to holders of degrees in other disciplines and those working in non-school areas. In addition the Graduate School offers a Graduate Certificate in Literacy, TESOL or Computer-Based Learning and a Master of Education program in Literacy, TESOL or Information Technology as flexible delivery courses through distance education.

Study in all areas other than teacher training (the GDipEd) takes place in a framework provided by the Graduate School of Education. The aim of the Graduate School of Education is to co-ordinate research and study in a way which provides an orderly and coherent exposure to critical issues in contemporary educational theory and practice, and also provides an avenue for professional development for committed educators.

Courses Offered

The following postgraduate degrees and diplomas are available:

- Doctor of Philosophy
- Doctor of Education
- Honours Master of Education
- Honours Master of Arts
- Master of Education
- Master of Teaching Studies
- Graduate Diploma in Adult Education and Training
- Graduate Diploma in Education
- Graduate Diploma in TESOL

Graduate Certificates:

- Graduate Certificate in Adult Career Development
- Graduate Certificate in Computer-Based Learning
- Graduate Certificate in Educational Leadership
- Graduate Certificate in Gifted Education
- Graduate Certificate in Higher Education
- Graduate Certificate in Literacy
- Graduate Certificate in Outdoor Education
- Graduate Certificate in Special Education
- Graduate Certificate in TESOL

Postgraduate work is grouped into Programs which provide specialisations in areas in which staff have particular expertise. In 2001 the major Programs will be as follows:

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

In subsequent years there may be further changes to the Programs to reflect changes in both staffing resources and student interests.

All students should obtain a copy of the relevant Graduate School of Education Handbook and timetable to check subject and course availability before enrolling. Information regarding these programs is also available on the Faculty's Web site (http://www.uow.edu.au/educ/).

Any student who is unsure of their course progression should consult the Teaching Program Co-ordinator for their specialisation regarding their enrolment in 2001. Students who maintain the University's normal progression patterns (for details see below) can be assured of completing their degree on terms no less favourable than at the time of their enrolment.

Current Research Areas

There are two Research Groups associated with the Graduate School of Education: Centre for Research into Interactive Learning Environments (RILE) and the Centre for Equity Research in Education. Postgraduate research students are encouraged to undertake postgraduate study associated with the research agendas of these Centres. In addition supervision is also available in a number of areas of strength, including: educational leadership; curriculum change and evaluation; physical and health education; outdoor education; early childhood education; special education and talented and gifted education; and teacher professional development.

The Centre for Research into Interactive Learning Environments (RILE) has senior and developing researchers interested in a wide variety of ways in which different learning environments can be supported using strategies for learning and software tools. The products of the team have won many international awards including a British Academy of Film and Television Arts Award for best interactive treatment in a CD-ROM product.

The members for the Centre for Equity Research in Education conduct and supervise research which will affect social policy and improve the quality of educational outcomes in Australian and international contexts and at all levels of schooling and post-school education. All members of the Centre have a long term interest and research experience in addressing issues of power and disadvantage in a number of areas. These areas generally range from...
Course Structures

Educational achievement and the experience of schooling, generally, through to the specific areas of curriculum, literacy, information technology, health education, physical education, outdoor education, postgraduate study and supervision; gender relations and sexuality and intercultural communication.

Doctor of Philosophy

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.

Pattern of Study

Candidates for this degree enrol in a Doctoral Thesis, subject number EDGZ909. Interested candidates should contact the Graduate School Research Co-ordinator to discuss their area of research and supervision. All new students enrolling in a research degree are expected to prepare and defend a research proposal early in their candidature and to become involved in Graduate School activities such as student colloquia. See subject descriptions for further information.

Doctor of Education

The Doctorate of Education (EdD) is a program to prepare professional leaders in Education. It is a doctoral level program completed by a combination of coursework and thesis, offered in 2001 in the areas of:

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

Entry Requirements for the EdD Program

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 Bachelor's degree with Honours Class II or higher in an appropriate area, or an equivalent qualification, and

2. Candidates must have completed a minimum of three years relevant professional experience.

Time Limits

Normally, the degree will be completed in not less than six, and not more than eight, academic sessions of full-time study, or six to twelve sessions of part-time study. Completion of the degree in a minimum of five sessions may be permitted to those candidates granted Advanced Standing for previous graduate study. A full-time student load is 24 credit points per session (three subjects); a part-time student load will be 8-16 credit points per session (one or two subjects).

Advanced Standing

1. No advanced standing will be granted for previous graduate study at MEd level. Candidates who have pursued study beyond a pass Master degree should discuss their request for Advanced Standing with the Graduate School Research Co-ordinator.

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

Patterns of Study

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

   a) at least 42 credit points of subjects including:

      1. at least 24 credit points from one Program in line with the requirements for that Program

      2. both EDGZ901 Advanced Qualitative Research Methods and EDGZ902 Advanced Quantitative Research Methods prior to commencement of the thesis component of the program. If there is satisfactory evidence that one of these subjects or their equivalents has already been completed in previous study, the student will undertake another subject of his/her choice from the Graduate School of Education subjects or other approved 900-level Graduate subjects to complete his/her Doctoral program.

      3. the balance of credit points may be chosen from any of the Graduate School of Education subjects or from any 900-level Graduate subjects in the University, provided that prior approval has been obtained from the Head of the Graduate School of Education and the Head of the relevant School or Department. Elective choices must be discussed with the Graduate School Research Co-ordinator.

   b) a supervised thesis (EDGZ909) on a topic in the Program chosen for specialisation, to be examined externally. This thesis will contribute to two thirds of the total assessment for this award. All new students enrolling in a research degree are expected to prepare and defend a research proposal early in the thesis component. See subject description of EDGZ909 for further information.

2. Each candidate will be required to select a program of study in consultation with the Program Co-ordinator and the Graduate School Co-ordinator (Research) to ensure that subjects chosen do not duplicate previous graduate work.

3. 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, and may enrol in an appropriate Masters program.

4. A full-time student load is 24 credit points per session (three subjects); a part-time student load will be 8-16 credit points per session (one or two subjects).
Suggested Progression

Note this is a suggestion only, and individual student requirements should be discussed with the academic adviser for the specialisation. Actual subject choice will depend on timetable constraints.

Session One

Part time 6 or 8 credit points in specialisation
(optional) 6 or 8 credit points in specialisation
Full-time-all above plus EDGZ901 or EDGZ902-Advanced Research Methods (8cp)

Session Two

Part time 6 or 8 credit points in specialisation
(optional) EDGZ901 or EDGZ902-Advanced Research Methods (8cp)
Full-time-all above plus EDGZ903 Minor Project (8cp)

Session Three

Part time 6 or 8 credit points in specialisation, or
(optional) EDGZ901 or EDGZ902-Advanced Research Methods (8cp)
Full-time EDGZ909 Doctoral thesis

Session Four

Part time EDGZ901 or EDGZ902-Advanced Research Methods (8cp)
(optional) EDGZ901 or EDGZ902-Advanced Research Methods (8cp)
Full-time EDGZ903 Minor Project (8cp)
Full-time EDGZ909 Doctoral thesis

Session Five/Six

Part time Remaining coursework requirements
Full-time EDGZ909 Doctoral thesis

Session Seven/Eight

Part time EDGZ909 Doctoral thesis
Full-time EDGZ909 Doctoral thesis

The coursework requirements for each Program are as follows:

1) Adult Education & Training

The specialisation component of a Doctorate of Education in the Program of Adult Education and Training consists of at least twenty four credit points chosen from the Adult Education and Training program in line with the requirements listed in "Patterns of Study". These subjects are listed below:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDGH911</td>
<td>Instructional Design for Adult Learning*</td>
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<tr>
<td>EDGH912</td>
<td>Project for Instructional design for Adult Learning</td>
<td>2</td>
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<tr>
<td>EDGH921</td>
<td>Evaluation and Assessment for Adult Learning</td>
<td>6</td>
</tr>
<tr>
<td>EDGH922</td>
<td>Project for Evaluation and Assessment for Adult Learning</td>
<td>2</td>
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<tr>
<td>EDGH923</td>
<td>Adult Learning Strategies and Communication</td>
<td>6</td>
</tr>
<tr>
<td>EDGH924</td>
<td>Project for Adult Learning Strategies and Communication</td>
<td>2</td>
</tr>
<tr>
<td>EDGH931</td>
<td>Psychology of Adult Learning</td>
<td>6</td>
</tr>
<tr>
<td>EDGH932</td>
<td>Project for Psychology of Adult Learning</td>
<td>2</td>
</tr>
<tr>
<td>EDGH933</td>
<td>Management and Organizational Context of Learning</td>
<td>6</td>
</tr>
<tr>
<td>EDGH934</td>
<td>Project for Management and Organisational Context of Learning</td>
<td>2</td>
</tr>
<tr>
<td>EDGH935</td>
<td>Issues in Adult Education</td>
<td>6</td>
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<tr>
<td>EDGH936</td>
<td>Project for Issues in Adult Education</td>
<td>2</td>
</tr>
</tbody>
</table>

*Compulsory subject for students wishing to complete an Adult Education and Training Specialisation

2) Educational Leadership

The specialisation component of a Doctorate of Education in the Program of Educational Leadership consists of at least twenty four credit points chosen from the Educational Leadership Program in line with the requirements listed in "Patterns of Study". These subjects are listed below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDGL901</td>
<td>Foundations of Educational Leadership</td>
<td>6</td>
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<tr>
<td>EDGL902</td>
<td>Project in Foundations of Educational Leadership</td>
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<tr>
<td>EDGL903</td>
<td>Introduction to Educational Management</td>
<td>6</td>
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<td>EDGL904</td>
<td>Project in Introduction to Educational Management</td>
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<tr>
<td>EDGL905</td>
<td>Policy Studies: Global Change and Educational Leadership</td>
<td>6</td>
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<tr>
<td>EDGL906</td>
<td>Project in Policy Studies: Global Change and Educational Leadership</td>
<td>2</td>
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<tr>
<td>EDGL907</td>
<td>Leading Professional Service Organisations</td>
<td>6</td>
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<tr>
<td>EDGL908</td>
<td>Project in Leading Professional Service Organisations</td>
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<tr>
<td>EDGL909</td>
<td>Leadership of Effective Change</td>
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<tr>
<td>EDGL910</td>
<td>Project in Leadership of Effective Change</td>
<td>2</td>
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<tr>
<td>EDGL911</td>
<td>Leadership of Curriculum and Instruction</td>
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<tr>
<td>EDGL912</td>
<td>Project in Leadership of Curriculum and Instruction</td>
<td>2</td>
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<tr>
<td>EDGL913</td>
<td>Program Evaluation</td>
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<tr>
<td>EDGL914</td>
<td>Project in Program Evaluation</td>
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<tr>
<td>EDGL915</td>
<td>Information Systems and Educational Leadership</td>
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<tr>
<td>EDGL916</td>
<td>Project in Information Systems and Educational Leadership</td>
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<tr>
<td>EDGL917</td>
<td>Quality Learning and Teaching</td>
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<tr>
<td>EDGL918</td>
<td>Project in Quality Learning and Teaching</td>
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The specialisation component of a Doctorate of Education in the Program of Information Technology in Education consists of at least twenty four credit points chosen from the Information Technology Program in line with the requirements listed in "Patterns of Study". These subjects are listed below:

- EDGI911 Information Technology in education and training* 6
- EDGI912 Project for EDGI911 2
- EDGI913 Instructional strategies and authoring# 6
- EDGI914 Project for EDGI913 2
- EDGI915 Network-Based Learning 6
- EDGI916 Project for EDGI915 2
- EDGI917 Interactive Multimedia Design 6
- EDGI918 Project for EDGI917 2
- EDGI919 Implementation and evaluation of technology-based learning 6
- EDGI920 Project for EDGI919 2
- EDGI921 Cognition and Interface Design 6
- EDGI922 Project for EDGI921 2
- EDGI923 Current Issues in Information Technology in Education and Training 6
- EDGI924 Project for EDGI923 2
- EDGI925 Research in Learning Environments 6
- EDGI926 Project for EDGI925 2
- EDGI927 (Un)Intelligent Computer Mediated Learning Systems 6
- EDGI928 Project for EDGI927 2

*Compulsory subjects for students wishing to complete a major specialisation in Information Technology in Education and Training.

ii) Recommended elective subjects include:
- EDGH911 Instructional Design 6
- EDGH931 Psychology of Adult Learning 6

4) Literacy
The specialisation component of a Doctorate of Education in the Literacy Program consists of at least twenty four credit points chosen from the Language and Literacy Program in line with the requirements listed in "Patterns of Study". These subjects are listed below:

- EDGA970 Language and literacy development# 8
- EDGA971 Assessment and evaluation of language and literacy 8
- EDGA976 Text and Context 8
- EDGA977 Communication and learning 8
- EDGA978 Literacy practices for diverse needs# 8
- EDGA987 Children's literature 8
- EDGR911 Teaching Reading* 8
- EDGR912 Teaching Writing* 8

*Compulsory subjects for students wishing to complete a major specialisation in Literacy

# Available by distance education only

ii) Recommended elective subjects include:
- EDGS918 Approaches to Reading Difficulties: Theories and Strategies 6
- EDGL901 Foundations of Educational Leadership 6

5) Physical & Health Education
The specialisation component of a Doctorate of Education in the Physical and Health Education Program consists of at least twenty four credit points chosen from the Physical and Health Education Program in line with the requirements listed in "Patterns of Study". These subjects are listed below:

- EDGA920 Curriculum Problems and Issues in Physical and Health Education 8
- EDGA921 Studies in the Scientific Bases of Health Education and Health Promotion 8
- EDGA923 Sport, Culture and Education 8
- EDGA924 Adolescent Health Status and Behaviour 8
- EDGP910 Theory and Practice of Outdoor Education 6
- EDGP911 Project for EDGP910 2
- EDGP912 Facilitation Techniques in Outdoor Education 6
- EDGP913 Project for EDGP912 2
- EDGP930 Theoretical and Practical Basics of Coach Education 6
- EDGP931 Project for EDGP930 2
- EDGP932 Issues in Coach Education and Sport Management 6
- EDGP933 Project for EDGP932 2
- EDGP990 Practicum in a Learning Environment 6
- EDGP991 Project for EDGP990 2

6) Special Education
The coursework component of a Doctorate of Education in the Program of Special Education consists of at least twenty four credit points chosen from the Special Education Program in line with the requirements listed in "Patterns of Study". These subjects are listed below:

- EDGS910 Learning Theories and Exceptionality* 6
- EDGS911 Project in Exceptional Education Practices 2
- EDGS912 Contemporary Perspectives in the Education of Children with Diverse Needs 6
- EDGS913 Project in Contemporary Perspectives 2
- EDGS914 Assessment and Instruction of Students with Learning Difficulties 6
- EDGS915 Programs for Students with Learning Difficulties 2
- EDGS916 Models of Behaviour Management 6
- EDGS917 Programming for Behaviour Management 2
- EDGS918 Approaches to Reading Difficulties: Theories and Strategies 6
- EDGS919 Reading Difficulties: Program Design and Implementation 2
EDGS920  Language and Communication Difficulties: Theory and Practice  6
EDGS921  Language-Related Learning Difficulties: A Case Study  2
EDGS922  Teaching Gifted Children  6
EDGS923  Project in Gifted Education  2
EDGS924  Giftedness in Special Populations  6
EDGS925  Project in Dual Exceptionality  2

*Compulsory subject for specialisation in Special Education

ii) Recommended elective subjects include:

EDGA970  Language and literacy development#  8
EDGA978  Literacy practices for diverse needs#  8
EDGL901  Foundations of Educational leadership  6

# Available by distance education only

7) Teaching English to Speakers of other Languages (TESOL)

The specialisation component of a Doctorate of Education in the Program of TESOL consists of at least twenty-four credit points chosen from the TESOL Program in line with the requirements listed in "Patterns of Study". These subjects are listed below:

EDGA917  International and Intercultural Communication  8
EDGA976  Text and context  8
EDGA978  Literacy Practices for Diverse Needs [#]  8
EDGA981  Second language literacy  8
EDGA983  Assessment in TESOL  8
EDGA984  Language and Learning in TESOL*  8
EDGA985  English in specific contexts  8
EDGA988  Aspects of Linguistics for TESOL  8

* Compulsory subject for specialisation in TESOL.

[#] Available by distance education only

8) Research Methodology & Project Subjects

EDGZ901  Advanced Qualitative Research Methods  8
EDGZ902  Advanced Quantitative Research Methods  8
EDGZ903  Minor Project in Education  8
EDGZ902  Special Research Topic  8
EDGZ925  Advanced seminar  8

Subjects in this group do not constitute a separate area of specialisation, but provide the various methodology and project subjects which are required for completion of the course work component of the EdD as explained above in the section "Patterns of Study".

Honours Master of Education

The Honours Master of Education 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. This degree is intended for students who are professionally qualified educators.

Entry requirements

The degree of Honours Master of Education (MEd[Hon]) in the Faculty of Education shall be subject to the University's rules for the award of the degree of Honours Master together with the following guidelines:

1. Entry to the degree program will normally be available to a person who has:

   a) completed the requirements for an approved Bachelor's degree with Honours Class II Division 2 or higher and who holds an approved teaching qualification; or

   b) completed the University's Master of Education Degree with results averaging credit level or better; or

   c) completed qualifications deemed by the University Education Committee to be the equivalent of the University's Master of Education Degree with results averaging credit level or better; or

   d) completed such other qualifications as might be approved by the University Education Committee on the recommendation of the Head of the Graduate School provided that in the view of the University Education Committee any such person shall have accumulated the equivalent of 48 credit points beyond a Pass degree.

2. Students who have completed an MEd degree in the professional development orientation (see section 5) or its equivalent with results averaging credit level or better must complete at least 16 credit points of coursework at Credit level or better, before proceeding to a 32 credit points thesis. These 16 credit points will comprise:

   i) 8 credit points of an advanced methodology subject (EDGZ901 or EDGZ902)

   ii) 8 credit points chosen in consultation with the supervisor

These 16cp must be completed prior to enrolment in EDGZ904 (Minor Thesis), and must be passed at credit level or better, at the first attempt. Failure to achieve a credit average in these two subjects at the first attempt will lead to termination of MEd(Hons) candidature.
Course Structures

Patterns of Study

Either
EDGX905 Major Honours Thesis (48 cp) for candidates who have completed the research orientation in the Master of Education program, or an equivalent program.

or
A research program consisting of at least one-third coursework subjects, followed by a thesis which is two-thirds of the course of study, i.e. 16 credit points of coursework, chosen in line with the requirements above

and
EDGZ904 Minor Thesis (32 cp)

Suggested Progression

Note this is a suggestion only, and individual student requirements should be discussed with the academic adviser for the specialisation.

Actual subject choice will depend on timetable constraints.

Either:
EDGX905 Major Honours Thesis (48cp)

or

Session One

Part time EDGZ901 or EDGZ902-Advanced Research Methods (8cp)

(optional) 6 or 8 credit points in specialisation, or EDGZ903 Minor project

Full-time-all above plus EDGZ904 Minor Honours Thesis (32cp)

Session Two

Part time 6 or 8 credit points in specialisation

(optional) EDGZ901 or EDGZ902-Advanced Research Methods (8cp)

Full-time-all above plus EDGZ904 Minor Honours Thesis (32cp)

Requirements for the Degree Program

1. The degree program will normally be completed in two sessions of full-time study or four sessions of part-time study.

2. The degree program shall involve:
   a) a thesis embodying the results of an investigation to the value of 48 credit points; or
   b) a minor thesis embodying the results of an investigation whose credit point value is 32 together with satisfactory completion of coursework subjects to the value of at least 16 credit points prior to commencing thesis.

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

4. The Faculty Education Committee shall appoint supervisor/s for each candidate on the recommendation of the Head of the Graduate School of Education.

Honours Master of Arts

Candidates for the degree who have completed a Bachelor Honours Degree at the level of Class II, Division 2 or higher in an appropriate area will enrol in a 48 credit point Major Thesis, subject number HDGZ905. Interested candidates should contact the Head of the Graduate School of Education.

Master of Education

The Master of Education is an introductory higher degree allowing two alternative patterns of study. One pattern focuses on a professional development orientation for educators, and the other pattern has a research orientation for candidates interested in pursuing study beyond this degree.

Entry Requirements for the Degree Program

The degree of Master of Education (MEd) in the Faculty of Education shall be subject to the University’s rules for the award of the degree of Master together with the following guidelines:

1. To qualify for admission as a candidate for the Master of Education, a student shall have qualified for a Bachelors degree of the University, or an equivalent qualification from an approved institution, with a major study in Education, provided that the degree or equivalent qualification has a minimum study duration of four years. Other qualifications or substantial professional experience may be considered as meeting these requirements and should be discussed with the Graduate School Co-ordinator (Academic).

2. Candidates with a three-year qualification in Education may be considered for admission to an extended (72cp) MEd program.

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

Requirements for the Degree Program

The MEd program will normally comprise 48cp of study.

Either

i) the professional orientation stream:
   a) EDGZ900 Introduction to Research Methods in Education (8 credit points), and
b) at least 24 credit points from a single Program (major specialisation). The core of subjects to be covered to complete a specialisation will vary from Program to Program, and up to
c) 16 credit points of electives chosen from any Program. The amount of choice available will vary from Program to Program.

or

ii) The research orientation stream, for students wishing to proceed directly to MEd (Irons) by thesis or Doctoral programs:

a) EDGZ900 Introduction to Research Methods in Education (8 credit points), and

b) 8 credit points of advanced studies in qualitative or quantitative research methods (either EDGZ901 Advanced Qualitative Research Methods or EDGZ902 Advanced Quantitative Research Methods), and
c) at least 24 credit points from a single Program. The core of subjects to be covered to complete a specialisation will vary from Program to Program, and
d) EDGZ903 Minor Project in Education (8 credit points) in the same Program.

Specialisations on Testamur
From 1997 a candidate may be eligible to include a specialisation on the final degree testamur (eg MEd specialising in Information Technology or MEd specialising in Special Education). In order to qualify for a specialisation to be recorded on the degree testamur, a candidate must complete at least thirty credit points from the chosen Program area. Joint specialisations will not be recorded.

Progression to Higher Degrees
1. Students who have completed an MEd degree in the professional development orientation may proceed to MEd(Irons), provided they meet the program requirements for students who do not have a research component in the MEd (see MEd(Irons) entry requirements).

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

Suggested progression patterns
The Master of Education degree will normally be completed in two sessions of full-time study, or in four to six sessions of part-time study. Maximum length of candidature is eight sessions of part-time study. The first two sessions of part-time study are the same for both the professional and research orientation streams.

A part-time student will complete up to two subjects each session. The sequence of study in the specialisation will be determined by the subjects on offer in each year and by the pattern of pre- and co-requisites in each Program. Any alternative patterns of study must be discussed with both the Program Co-ordinator and the Graduate School Co-ordinator (Academic).

Note: EDGZ900 Introduction to Research Methods in Education is a single session subject which is repeated in Autumn and Spring session, and is also available as a self-study program in Autumn, Spring and Summer session. Students have the choice of session in which to complete it, but should consider the advice of the Program Co-ordinator for their specialisation. It is a compulsory component of the Master of Education program and must be completed as one of the first four subjects studied. No exemptions will normally be considered.

Course of study
It should be noted that not all the following subjects will necessarily be offered in 2000. Final arrangements will depend upon student numbers and staff resources. Prospective students are strongly recommended to discuss their program of study with the Co-ordinator responsible for the Program in which they are interested or the Graduate School Co-ordinator (Academic) and obtain a copy of the relevant Graduate School of Education Handbook.

All MEd students are required to include EDGZ900 Introduction to Research Methods in Education in their program. Additional specific requirements for program specialisations are listed below.

Suggested Progression
Note this is a suggestion only, and individual student requirements should be discussed with the academic adviser for the specialisation.

Actual subject choice will depend on timetable constraints.

Session One
Part time 6 or 8 credit points in specialisation
(optional) 6 or 8 credit points in specialisation

Full-time-all above plus EDGZ900 Introduction to Educational Research Methodology (8cp)

Session Two
Part time 6 or 8 credit points in specialisation
(optional) EDGZ900 Introduction to Educational Research Methodology (8cp)

Full-time 6 or 8 credit points in specialisation + 16 credit points electives

Session Three
Part time 6 or 8 credit points in specialisation
(optional) 6/8cp elective subject

Session Four
Part time EDGZ900 Introduction to Educational Research Methodology (8cp)
Part time Remaining coursework requirements

Specialisations are available in the areas of:

**Program: Adult Education & Training**

EDGH911 Instructional Design for Adult Learning* 6
EDGI912 Project for Instructional design for Adult Learning 2
EDGH921 Evaluation and Assessment for Adult Learning 6
EDGI922 Project for Evaluation and Assessment for Adult Learning 2
EDGH923 Adult Learning Strategies and Communication 6
EDGI924 Project for Adult Learning Strategies and Communication 2
EDGI931 Psychology of Adult Learning 6
EDGI932 Project for Psychology of Adult Learning 2
EDGI933 Management and Organisational Context of Learning 6
EDGI934 Project for Management and Organisational Context of Learning 2
EDGI935 Issues in Adult Education 6
EDGI936 Project for Issues in Adult Education 2

*Compulsory subjects for students wishing to complete a specialisation in Adult Education and Training. Students should discuss their proposed course of study with the Program Co-ordinator, Dr Max Gillett.

**Program: Early Childhood**

EDGE910 Early Childhood Curriculum Theory and Practice* 6
EDGE911 Child Development* 2
EDGE913 Music Education in Early Childhood 6
EDGA970 Early language and literacy development 2
EDGA987 Children's literature 6
EDGA971 Assessment and evaluation of language and literacy 2
EDGE918 Approaches to reading difficulties, theories and strategies 6
EDGE924 Giftedness in special populations 2

* Core subjects in Early Childhood

**Program: Educational Leadership**

EDGL901 Foundations of Educational Leadership 6
EDGL902 Project in Foundations of Educational Leadership 2
EDGL903 Introduction to Educational Management 6
EDGL904 Project in Introduction to Educational Management 2
EDGL905 Policy Studies: Global Change and Educational Leadership 6
EDGL906 Project in Policy Studies: Global Change and Educational Leadership 2
EDGL907 Leading Professional Service Organisations 6
EDGL908 Project in Leading Professional Service Organisations 2
EDGL909 Leadership of Effective Change 6
EDGL910 Project in Leadership of Effective Change 2
EDGL911 Leadership of Curriculum and Instruction 6
EDGL912 Project in Leadership of Curriculum and Instruction 2
EDGL913 Program Evaluation 6
EDGL914 Project in Program Evaluation 2
EDGL915 Information Systems and Educational Leadership 6
EDGL916 Project in Information Systems and Educational Leadership 2
EDGL917 Quality Learning and Teaching 6
EDGL918 Project in Quality Learning and Teaching 2

Students should discuss their proposed course of study with the Program Co-ordinator Professor Michael Hough.

**Program: Information Technology in Education and Training**

EDGI911 Information Technology in education and training* 6
EDGI912 Project for EDGI911 2
EDGI913 Instructional strategies and authoring# 6
EDGI914 Project for EDGI913 2
EDGI915 Network-Based Learning 6
EDGI916 Project for EDGI915 2
EDGI931 Interactive Multimedia Design 6
EDGI932 Project for EDGI931 2
EDGI933 Implementation and evaluation of technology-based learning 6
EDGI934 Project for EDGI933 2
EDGI951 Cognition and Interface Design 6
EDGI952 Project for EDGI951 2
EDGI953 Current Issues in Information Technology in Education and Training 6
EDGI954 Project for EDGI953 2
EDGI955 Research in Learning Environments 6
EDGI956 Project for EDGI955 2
EDGI957 (Un)Intelligent Computer Mediated Learning Systems 6
EDGI958 Project for EDGI957 2

*Compulsory subjects for students wishing to complete a major specialisation in Information Technology in Education and Training.

The choice of additional subjects will depend on the background of the students. Specialist subjects are available for students who already have a background in the area, and professional subjects available for students with an interest, but little background, in the area. Students should discuss their proposed course of study with the Program Co-ordinator, Professor John Hedberg.
Program: Literacy Education

EDGA970 Language and literacy development [*#] 8
EDGA971 Assessment and evaluation of language and literacy 8
EDGA976 Text and Context 8
EDGA977 Communication and learning 8
EDGA978 Literacy practices for diverse needs [*#] 8
EDGA987 Children’s literature 8
EDGR911 Teaching Reading* 8
EDGR912 Teaching Writing* 8

*Compulsory subjects for students wishing to complete a major specialisation in Literacy

# Available by distance education only

Students should discuss their proposed course of study with the Program Co-ordinator, Dr Jan Turbill.

Program: Physical & Health Education

EDGA920 Curriculum Problems and Issues in Physical and Health Education 8
EDGA921 Studies in the Scientific Bases of Health Education and Health Promotion 8
EDGA923 Sport, Culture and Education 8
EDGA924 Adolescent Health Status and Behaviour 8
EDGP910 Theory and Practice of Outdoor Education 6
EDGP911 Project for EDGP910 2
EDGP912 Facilitation Techniques in Outdoor Education 6
EDGP913 Project for EDGP912 2
EDGP930 Theoretical and Practical Bases of Coach Education 6
EDGP931 Project for EDGP930 2
EDGP932 Issues in Coach Education and Sport Management 6
EDGP933 Project for EDGP932 2
EDGP950 Practicum in a Learning Environment 6
EDGP991 Project for EDGP990 2

Students should discuss their proposed course of study with the Program Co-ordinator, Dr Paul Webb.

Program: Special Education

EDGS910 Learning Theories and Exceptionality* 6
EDGS911 Project in Exceptional Education Practices 2
EDGS912 Contemporary Perspectives in the Education of Children with Diverse Needs 6
EDGS913 Project in Contemporary Perspectives 2
EDGS914 Assessment and Instruction of Students with Learning Difficulties 6
EDGS915 Programs for Students with Learning Difficulties 2
EDGS916 Models of Behaviour Management 6
EDGS917 Programming for Behaviour Management 2
EDGS918 Approaches to Reading Difficulties: Theories and Strategies 6
EDGS919 Reading Difficulties: Program Design and Implementation 2
EDGS920 Language and Communication Difficulties: Theory and Practice 6
EDGS921 Language-Related Learning Difficulties: A Case Study 2
EDGS922 Teaching Gifted Children 6
EDGS923 Project in Gifted Education 2
EDGS924 Giftedness in Special Populations 6
EDGS925 Project in Dual Exceptionality 2

*Compulsory subject for specialisation in Special Education

Students should discuss their proposed course of study with the Program Co-ordinator, Ms Deslea Konza, as teaching accreditation requirements in the Special Education and Gifted and Talented Education areas will depend on subject choice.

Program: Teaching English to Speakers of Other Languages (TESOL)

EDGA907 International and Intercultural Communication 8
EDGA908 Text and context 8
EDGA978 Literacy Practices for Diverse Needs [*#] 8
EDGA981 Second language literacy 8
EDGA983 Assessment in TESOL 8
EDGA984 Language and Learning in TESOL* 8
EDGA985 English in specific contexts 8
EDGA988 Aspects of Linguistics for TESOL 8

* Compulsory subject for students wishing to complete a specialisation in TESOL.

[#] Available by distance education only

The recommended sequence is

EDGA976 Text and Context
EDGA984 Language and Learning in TESOL

followed by subjects chosen from the remainder of the TESOL program.

Students should discuss their proposed course of study with the Program Co-ordinator, Dr Bev Derewianka as teaching accreditation requirements in the TESOL area will depend on subject choice.

The Master of Education specialising in TESOL is also available as a fee-paying, distance education course. Contact the Program Co-ordinator for more details.
Course Structures

Elective Subjects
These subjects do not form a specialisation, but are available to students from any specialisation as elective subjects to complement the major area of study.

EDG9401 Environmental and Curriculum Perspectives
EDGB901 Gender and Citizenship

Research Methodology & Project Subjects
EDGZ901 Advanced Qualitative Research Methods 8
EDGZ902 Advanced Quantitative Research Methods 8
EDGZ903 Minor Project in Education 8
EDGZ912 Special Research Topic 8
EDGZ925 Advanced seminar 8

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

Advanced Standing
The Faculty of Education has approved up to 8 credit points of Advanced Standing in the Master of Education to currently enrolled candidates who have completed any of the following Department of School Education, AMES and other accredited professional development courses:

Adult Literacy Teaching: A Professional Development course, or
Cambridge/RSA Certificate in English Language Teaching, or
Certificate in School Leadership and Management, or
Certificate of Special Education (Integration)*, or
Certificate of Faculty Administration*, or
Collaborative Learning and Reflective Practice*, or
Computing Studies Intensive Methodology course (CSIM), or
Design and Technology Training Agents (Completion of this course with the Tertiary Extension Lobe will allow candidates 8 credit points of Advanced Standing in the Curriculum specialisation plus 8 credit points Advanced Standing for an elective subject), or
Diploma in TESOL (UNSW/WELC), or
Educative Leadership, or
ESL Basic Training K-l 2, or
ESL Basic Training K-l 2, or
Faculty Leadership for Effective change (FLEC), or
Frameworks: A Literacy and Learning course*, or
Frameworks: Assessment and Evaluation Module*, or
Interactive Multimedia Workshop (Univ. Wollongong)*, or
Introduction to Functional Grammar (NSW AMES), or
Learning Assistance Support Team (LAST), or
LOTE Intensive Methodology (LIM), or
Supervision for Effective Teaching (SET), or
Team Leadership course (TLC)* formerly FLEC.

*Accreditation of these courses requires completion of an extended assessment lobe. See relevant Program Co-ordinator for details.

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

Master of Teaching Studies
The Master of Teaching Studies (MTS) program is an optional second year of pre-service Teacher Education undertaken in the year following the successful completion of the Graduate Diploma of Education. It is intended to improve students’ classroom skills through an extended school experience as well as deepening understanding of teaching, learning and educational issues. There is also the opportunity to begin to develop expertise in an area of specialisation in education at the postgraduate level. The program is offered on a full time basis only and must be undertaken in the year immediately following the GDipEd year. The Master of Teaching Studies is a post graduate degree with the same status as the Faculty of Education’s MEd; MTS graduates will be able to proceed to other postgraduate programs such as the EdD and MEd(Hons). Thus the program functions as both a second year of pre service preparation and a first year of higher degree study in Education.

Entry
Candidates must have completed the University of Wollongong Graduate Diploma in Education in the previous year. Applicants who have completed the GDipEd prior to this, or an equivalent program from another institution should apply for the Master of Education program.

Pattern of Study
The MTS program consists of 48 credit points of study comprising six 8 credit point subjects. The MTS program is based around three professional studies subjects: a school-based Internship subject; an Advanced Perspectives subject which offers further study in curriculum, psychology, philosophy, sociology and other areas as they relate to teaching and the classroom; and Advanced Studies in a KLA. The remaining subjects include EDGZ 900 Introduction to Education Research Methods and 16 credit points chosen from the Graduate School of Education 900-level postgraduate schedule or other 900-level postgraduate schedules. Postgraduate areas of study in Education include: Adult Education, Early Childhood, Educational Leadership, Information Technology, Literacy, Physical Education and Health, Special Education and TESOL. While studying in an education specialisation MTS students will be working alongside other postgraduate students who are experienced educators working in both schools and other learning organizations.

Annual
24 credit points of professional subjects.

EDGC909 Teaching Internship. Includes a term full-time in a school. This overlaps and is linked with all other subjects in the program, in particular:

EDGC911 Advanced Perspectives. 8
EDGC912 Advanced Studies in a KLA. 8
Faculty of Education

Session 1
16 credit points (+ Annual subjects)
EDGH911 Instructional design for Adult Learning 6
EDGH921 Evaluation and assessment for Adult Learning 6
EDGH922 Project for Evaluation and assessment 2
EDGH924 Project for Learning strategies and communication 2
EDGH931 Psychology of adult learning 6
EDGH932 Project for Psychology of adult learning 2
EDGH933 Management and organisational context of learning 6
EDGH934 Project for Management and organisational context of learning 2
EDGH935 Issues in Adult Education 6
EDGH936 Project for Issues in Adult Education 2
or other subjects in the Graduate School Schedule chosen in consultation with the course Co-ordinator, Dr Max Gillett.

Session 2
8 credit points (+ Annual subjects)
A second 900-level subject.

Graduate Diploma in Adult Education & Training

The Graduate Diploma in Adult Education and Training is a coursework postgraduate Diploma designed to meet the specific educational development needs of a broad range of adult education practitioners. The course is designed to cover the generic professional skills for all those who work in the training and education of adults in a variety of settings - business, industry, community education, government and private organisations. Candidates will pursue studies in five major subject areas and demonstrate their skills and knowledge in a special project/practicum. The course is designed on the assumption that students undertaking the course will have already obtained their first professional qualification and that their current employment requires that they obtain professional qualifications in the training and development of adults. It may also serve as an alternative form of entry into the Master of Education, which requires a formal background in the discipline of Education.

Advanced Standing
Candidates enrolled in the Graduate Diploma in Adult Education and Training who have completed the BHP in-house program in Curriculum and Instructional Design are eligible for 8 credit points of Advanced Standing specified as EDGA991 Instructional Design.

Advanced standing for other professional development courses may also be available.

Pattern of study

The course will consist of a core of four subjects:
EDGH911 Instructional design for Adult Learning 6
EDGH921 Evaluation and assessment for Adult Learning 6
EDGH922 Project for Evaluation and assessment 2
EDGH924 Project for Learning strategies and communication 2
EDGH931 Psychology of adult learning 6
EDGH932 Project for Psychology of adult learning 2
EDGH933 Management and organisational context of learning 6
EDGH934 Project for Management and organisational context of learning 2
EDGH935 Issues in Adult Education 6
EDGH936 Project for Issues in Adult Education 2
or other subjects in the Graduate School Schedule chosen in consultation with the course Co-ordinator, Dr Max Gillett.

Graduate Diploma in Education

The Graduate Diploma in Education (GDipEd) is a professional pre-service course in education for graduates of this or another approved university who seek teacher qualifications. It also serves as an introduction to the study of education for those who will later pursue further studies in the field, for example at the Masters level.

Intending applicants for the Graduate Diploma course are advised that it may be necessary to restrict enrolments. If this is necessary, selection to the course will be made on the basis of academic merit and suitability of the first degree to teaching requirements. Preference will be given to graduates of the University of Wollongong. A statement of interests and experience in Education will also be requested from applicants and will be considered as part of the selection process.

The main aim of the course is to provide a professional course of pre-service education for intending primary and 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, capable of contributing to the formulation of curriculum in schools and, most important, committed to their own continuous professional growth.

The course is for one year full-time, over an extended academic year of 36 teaching weeks from early February to early December and it is not possible to commence the course in the middle of the year. The GDipEd program involves lectures, seminars, tutorials, individual assignments, group exercises and nine weeks of full-time work in local schools. Methods work and practice teaching are provided in co-operation with local schools.

Students are advised that the structure of the course makes it preferable that it be undertaken full-time. Students who wish to pursue the course part-time should consult the Director - Graduate Diploma in Education before enrolling.

Assessment

Students must satisfactorily complete every subject and major component in their program of study before the Graduate Diploma will be awarded. Assessment for each subject in the GDipEd program will be determined by individual lecturers. More specific details of assessment will be given in individual subject outlines.

Attendance

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

Course Outline
Students are required to complete subjects as set out below, with a total of 48 credit points:

For those students pursuing secondary school methods:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC800</td>
<td>Practicum</td>
<td>8</td>
</tr>
<tr>
<td>EDUC801</td>
<td>Learners with Special Needs</td>
<td>4</td>
</tr>
<tr>
<td>EDUC802</td>
<td>Pedagogy</td>
<td>8</td>
</tr>
<tr>
<td>EDUC806</td>
<td>Curriculum Studies</td>
<td>6</td>
</tr>
<tr>
<td>EDUC803</td>
<td>Perspectives in Education A</td>
<td>6</td>
</tr>
<tr>
<td>EDUC804</td>
<td>Perspectives in Education B</td>
<td>4</td>
</tr>
<tr>
<td>EDUC811</td>
<td>Personal Development, Health and Physical Education</td>
<td>4</td>
</tr>
</tbody>
</table>

and 8 credit points of Secondary Methods

For those students pursuing primary school methods:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC800</td>
<td>Practicum</td>
<td>8</td>
</tr>
<tr>
<td>EDUC801</td>
<td>Learners with Special Needs</td>
<td>4</td>
</tr>
<tr>
<td>EDUC802</td>
<td>Pedagogy</td>
<td>8</td>
</tr>
<tr>
<td>EDUC806</td>
<td>Curriculum Studies</td>
<td>6</td>
</tr>
<tr>
<td>EDUC803</td>
<td>Perspectives in Education A</td>
<td>6</td>
</tr>
<tr>
<td>EDUC805</td>
<td>Perspectives in Education C</td>
<td>2</td>
</tr>
<tr>
<td>EDUC811</td>
<td>Personal Development, Health and Physical Education</td>
<td>4</td>
</tr>
<tr>
<td>EDUC860</td>
<td>Primary Method</td>
<td>10</td>
</tr>
</tbody>
</table>

Methods Subjects
Students are required to complete successfully one Primary or two Secondary methods subjects. Methods subjects are central to the program and are offered throughout the year. The Method areas which may be available will differ from year to year. Methods currently offered are: Social Science (HSIE), English, History, Drama, ESL, French, Italian, Japanese, Mathematics, Science, Art, Music. Students are advised to check with the Faculty regarding the availability of specific Methods subjects. Students are also advised to check with the Faculty through the Pre-Service Teacher Education Unit, regarding the combinations of methods which will satisfy the requirements of the NSW Department of Education. A letter from the NSW Department of Education and Training stating that the student's undergraduate program is acceptable to the Department for recognition as a teacher of the chosen methods area(s) is required of each student by the beginning of the course.

Graduate Diploma In TESOL

The Graduate Diploma in TESOL is a coursework postgraduate Diploma designed to meet the specific educational development needs of a broad range of English language teachers and educators. The course is designed to cover the generic professional skills for all those who work in the TESOL area in a variety of settings - business, industry, community education, government and private organisations. Candidates will pursue theoretical studies and demonstrate their skills and knowledge in a special project/practicum.

The Graduate Diploma in TESOL may also serve as an alternative form of entry into the Master of Education, which requires a formal background in the discipline of Education.

Course Costs
The Graduate Diploma in TESOL is a fee-paying program.

Entry
Candidates must meet the normal University requirements for Graduate Diploma entry, ie a three year Bachelor degree or equivalent.

Pattern of study
Candidates will be required to complete

1. 24 credit points chosen from 200-300 level subjects, ie

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUE317</td>
<td>English Language: Examining Learners' Problems</td>
<td>6</td>
</tr>
<tr>
<td>EDUL240</td>
<td>Materials and Technology in Second Language Teaching</td>
<td>6</td>
</tr>
<tr>
<td>EDUE319</td>
<td>Programming and Methodology in Second Language Teaching</td>
<td>6</td>
</tr>
<tr>
<td>EDUL330</td>
<td>Practicum or Project in Language Teaching</td>
<td>6</td>
</tr>
</tbody>
</table>
   plus

2. The following two subjects:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGA976</td>
<td>Text and Context</td>
<td>8</td>
</tr>
<tr>
<td>EDGA984</td>
<td>Language and Learning in TESOL</td>
<td>8</td>
</tr>
</tbody>
</table>
   plus

3. A choice of one of the following electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGA981</td>
<td>Second Language Literacy</td>
<td>8</td>
</tr>
<tr>
<td>EDGA983</td>
<td>Assessment in TESOL</td>
<td>8</td>
</tr>
<tr>
<td>EDGA988</td>
<td>Aspects of Linguistics for TESOL</td>
<td>8</td>
</tr>
</tbody>
</table>

Enquiries regarding this program should be directed to the TESOL Program Co-ordinator, Dr Bev Dereianka

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

All Graduate Certificates are fee-paying programs. Fees for on-campus programs in 2001 will be $950 per 8cp subject. Off-shore students should contact the Faculty for fee information.

Graduate Certificates are available in the areas of

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Delivered in the following modes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult Career Development</td>
<td>Self-study, CD-ROM based course</td>
<td></td>
</tr>
</tbody>
</table>
Graduate Certificate in Adult Career Development

The Graduate Certificate in Adult Career Development is a specialised course aimed at those working with the development of adult careers. The course is offered on a full-fee basis in a self-study open-learning format, using materials available on Macintosh or Windows CD-ROM disk. A Web-based format is also being developed.

The Grad Cert Adult Career Development consists of 4 x 6 credit point subjects. (previously 3 x 8cps). The course is only offered by distance mode and with the exception of the Practicum is delivered on CD-ROM.

The subjects are:

EDG1940 Adult Career Development 6
EDG1942 Career Development and the Organisation 6
EDG1944 Career Development with Clients 6
EDG1946 Practicum or Project in Adult Career Development 6

Further information on course cost and application material is available from either the Graduate School of Education or UniAdvice.

Graduate Certificate in Educational Leadership

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

The Graduate Certificate consists of twenty four credit points usually completed over one year of study, chosen as follows:

EDGL901 Foundations of Educational Leadership 6
EDGL903 Introduction to Educational Management 6

plus other subjects (including Project subjects) chosen from the subjects listed in the Program Educational Leadership in the Graduate School schedule chosen in consultation with the course Co-ordinator to complete a 24 credit point program.

Graduate Certificate in Computer-Based Learning

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

The Graduate Certificate in Computer-Based Learning comprises 24 credit points chosen as follows:

Two core subjects:
EDG1911 Information technology and training 6
EDG1913 Instructional strategies and authoring 6

plus other subjects (including Project subjects) chosen from the subjects listed in the Program Information Technology in Education and Training in the Graduate School schedule chosen in consultation with the course Co-ordinator to complete a 24 credit point program.

Graduate Certificate in Literacy

The Graduate Certificate in Literacy is designed to provide a specialist qualification in the area of Literacy Education for teachers interested in qualifying in this area. This is offered as an on-campus coursework program and is also available as a full-fee, self-study program through a combination of video material and on-line instruction. Contact the Literacy program Co-ordinator for more details. The course consists of 24 credit points generally completed over twelve months. Three subjects are chosen from the following:

EDGR911 Teaching Reading 8
EDGR912 Teaching Writing 8
EDGA971 Assessment and evaluation of language and literacy 8

Graduate Certificate in Outdoor Education

The Graduate Certificate in Outdoor Education is designed for educators interested in attaining the necessary skills and competencies to effectively teach Outdoor Education in a school or training setting. Outdoor Education draws on the disciplines of experiential education, adventure education, environmental education, social science and the humanities.

The course consists of 24 credit points generally completed over twelve months by undertaking:

1. Four compulsory subjects (totalling 16 credit points) in the specialisation

EDGP910 Theory and practice of outdoor education 6
EDGP911 Project for EDGP910 2
EDGP912 Facilitation techniques in outdoor education 6
EDGP913 Project for EDGP912 2

2. The remaining 8 credit points are chosen from the following areas of the Graduate School schedule: Educational Leadership, Adult Education, Environmental Education or related Project subjects.
Course Structures

Graduate Certificate in Special Education

The Graduate Certificate in Special Education is designed to provide a specialist qualification in the area of Special Education for graduates interested in qualifying in this area. Contact the Special Education program co-ordinator for more details.

The course consists of 24 credit points completed over twelve months, chosen as follows:

- EDGS910 Learning theories and exceptionality 6
- plus subjects chosen from the following to complete twenty four credit points:
  - EDGS911 Project in Exceptional Education Practices 2
  - EDGS912 Contemporary Perspectives in the Education of Children with Diverse Needs 6
  - EDGS913 Project in Contemporary Perspectives 2
  - EDGS914 Assessment and Instruction of Students with Learning Difficulties 6
  - EDGS915 Programs for Students with Learning Difficulties 2
  - EDGS916 Models of Behaviour Management 6
  - EDGS917 Programming for Behaviour Management 2
  - EDGS918 Approaches to Reading Difficulties: Theories and Strategies 6
  - EDGS919 Reading Difficulties: Program Design and Implementation 2
  - EDGS920 Language and Communication Difficulties: Theory and Practice 6
  - EDGS921 Language-Related Learning Difficulties: A Case Study 2

Graduate Certificate in Gifted Education

The Graduate Certificate in Gifted Education is designed to provide a specialist qualification in the area of Gifted Education for graduates interested in qualifying in this area.

The course consists of 24 credit points generally completed over twelve months, as follows:

- EDGS910 Learning theories and exceptionality 6
- plus subjects chosen from the following to complete twenty four credit points:
  - EDGS911 Project in Exceptional Education Practices 2
  - EDGS922 Teaching gifted students 6
  - EDGS923 Project in gifted education 2
  - EDGS924 Giftedness in special populations 6
  - EDGS925 Project in dual exceptionality 2
  - EDGS912 Contemporary perspectives in the education of students with diverse needs 6
  - EDGS913 Project in contemporary perspectives 2

Graduate Certificate in TESOL

The Graduate Certificate in TESOL (Teaching English to Speakers of Other Languages) is designed to provide a specialist qualification in the area of TESOL Education for graduates interested in qualifying in this area.

The course consists of 24 credit points completed over twelve months, as follows:

There are two compulsory subjects:

- EDGA976 Text and context
- EDGA984 Language and Learning in TESOL

Plus one subject from the following:

- EDGA981 Second Language Literacy
- EDGA988 Aspects of Linguistics for TESOL

Graduate Certificate in Higher Education

This program is available to all existing and newly appointed academic staff of the University. The course will allow staff to develop their teaching capabilities and obtain a formal award as evidence of appropriate teaching skills.

The Graduate Certificate in Higher Education will comprise:

- EDGA997 Introduction to tertiary teaching
- EDGA911 Instructional design
- EDGA912 Project for Instructional design
- EDGA921 Evaluation and assessment for Adult Learning
- EDGA922 Project for Evaluation and Assessment for Adult Learning

Staff who successfully complete the Graduate Certificate in Higher Education would be eligible to enrol in the Graduate Diploma in Adult Education and Training with Advanced Standing for three subjects on condition that the applicant surrender the Graduate Certificate.
EDGA806  Project and Practicum  8 cp

Pre-requisites: n/a
Co-requisites: EDG1993 and EDG1994
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The practicum in the GDipAdEd allows students to demonstrate their knowledge and performance skills in their work environment. They must demonstrate such basic professional competencies as needs assessment, course design, development, implementation, evaluation, and change management. The practicum is based on an individually defined and negotiated learning contract. Initial meetings will focus on refining ideas and developing a proposal after which students undertake their project with help from a nominated supervisor.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Max Gillett. EDGA806 is available to students enrolled in the Graduate Diploma in Adult Education and Training only.

Text books: n/a

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EDGA905  Major Honours Thesis  48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a

Subject Objectives: n/a

Additional Information: Due to a restructuring of the graduate School Schedule, the Major Honours thesis has been renumbered. MEd(Hons) students should enrol in EDGZ905 Major Honours Thesis.

Text books: n/a

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EDGA909  Doctoral Thesis  48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a

Subject Objectives: n/a

Additional Information: This subject has been renumbered as EDGZ909. PhD and EdD students in the thesis component of their program should enrol in EDGZ909.

Text books: n/a

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EDGA917  International & Intercultural Perspectives  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a

Subject Objectives: n/a

Text books: n/a

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EDGA918  Environmental Education: Pedagogy and Curriculum Perspectives  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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EDGA921  Scientific Bases of Health Education  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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EDGA923  Sport Culture and Education  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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EDGA959  Adult Literacy  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Adult literacy education involves assistance for those who have basic literacy problems as well as those who need to extend their language abilities in workplace. This subject will examine how to identify the language demands of various contexts in which adults need to employ various literacy skills, to diagnose the literacy needs of adult clients, and to develop programs to assist clients to extend their literacy proficiency.

Text books: n/a

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Subject Objectives: n/a
Additional Information: Co-ordinator: Dr Bev Derewianka
Text books: n/a

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EDGA970 Early Language and Literacy Development 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject focuses on language development in early childhood. It highlights theories of language learning, models of language, milestones in development, socio-cultural variation, and the implications for teaching and assessment strategies.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

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EDGA971 Assessment and Evaluation of Language and Literacy 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject examines both past and current issues and theoretical underpinnings of evaluating student learning. It will critically examine these issues in terms of contemporary theories of language and literacy learning. It will draw on recent research and theory related to the areas of psychometrics, qualitative evaluation, and linguistics. Students will also be required to trial and evaluate a range of assessment and evaluation instruments and procedures. The current move to standards and benchmarks will be addressed.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

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EDGA976 Text and Context 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject explores the relationship between texts and their contexts, focusing on the nature of language at both the level of text and grammar. It draws on a functional model of language in order to examine the way in which language is used for various purposes, both in the community and in education. Through an analysis of texts students will explore how language functions to represent our experience of the world, to enable our participation in the world, and to shape up texts which are coherent and cohesive.

Subject Objectives: n/a
Additional Information: Co-ordinator: Dr Bev Derewianka
Text books: n/a

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EDGA981 Second Language Literacy 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The cultural and ideological nature of literacy is examined within a range of social, educational and vocational contexts including: a critical analysis of theories and second language literacy development; an analysis of literacy and TESOL teaching; the relationship between spoken and written language; implications for developing literacy programs for TESOL; principles for developing effective literacy programs; strategies for supporting the learning of literacy for ESL/EFL learners at beginner through to advanced levels.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

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EDGA983 Assessment in Tesol 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject will examine various approaches to language assessment, from informal observation and self-assessment through to formal testing. In order to develop appropriate programs, TESOL teachers must be able to identify the needs of their students. This requires a solid grounding in the assessment of learners' oral language, reading and writing. In addition, they need to be able to critically analyse and evaluate formal assessment procedures and if necessary, learn how to design assessment tasks and prepare their students to sit for external tests.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

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EDGA984 Language and Learning in Tesol 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject aims to familiarise students with the TESOL field, including current issues and areas of research. In particular, it will introduce students to various theoretical discourses in the field, comparing and contrasting relevant models of language and examining research and theory in the area of second language learning. Links will be made to classroom practice and materials as appropriate.

Subject Objectives: n/a
Additional Information: n/a
EDGA985  English in Specific Contexts  8 cp

Pre-requisites: EDGA976
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject prepares students to design and teach English projects and programs which address the needs of a specific clientele (e.g. English for Business, in the Workplace, for new arrivals). It examines how language varies across cultural contexts (nationally or internationally) and deals with methods for exploring the contexts and relevant language (academic, vocational, social, personal). Using these analyses in the study of projects, teaching programs and materials.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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Spring
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EDGA987  Children's Literature  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Students will be guided towards an appreciation, enjoyment, evaluation and critique of a broad range of children's literature in the light of various theories of literary criticism. In addition, participants will become familiar with a number of strategies relating to children's literacy for use in the classroom. Students will be asked to consider the apparent assumptions about children as readers in the texts examined and the relationship between new technologies and children's literature.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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Spring
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EDGA988  Aspects Of Linguistics For TESOL  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject provides an introduction to a range of issues in linguistics, sociolinguistics and psycholinguistics which provide the foundations for theory, research and practice in second language development. Subject content will be selected from areas such as first language acquisition, language variation and change, language typology, syntax, phonology, and semantics.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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Spring
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Spring

EDGA997  Introduction To Tertiary Teaching  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject introduces students to a range of basic skills of tertiary teaching, planning, questioning, managing, communicating and evaluating. It will deal with a range of teaching methods and consider appropriate ways of assessing student performance. The principles and practices of subject and course design will be introduced and attention will be directed towards the counselling and feedback roles which are crucial to the teaching-learning process at the tertiary level.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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Autumn
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EDGA999  Major Thesis - Ed/Stats  48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This is the thesis subject for candidates enrolled in a Doctoral program supervised jointly by Education and Statistics. See description for EDGZ909 for requirements. No enrolments in this subject will be accepted without approval from the Dean of the Graduate School.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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Annual

EDGB901  Gender and Citizenship  8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The subject has an international and comparative focus on gender issues, specifically related to schooling, adult education, and employment settings. It takes an interdisciplinary and cross-disciplinary approach to the consideration of theoretical, policy and curriculum issues in the broad areas of social justice and equality, relating to the emerging field of civics and citizenship education. The subject explores the notion of "the modern citizen" and his/her relationship with the public and private spheres of social life, and with democratic institutions such as education.

Subject Objectives: n/a
Additional Information: Co-ordinator: Dr Victoria Foster

Text books: n/a

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Autumn
EDGH911 Instructional Design  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject is presented through a combination of the www and four class meetings, each of 3 hours duration. Syndicate groups formed early in the process will meet independently as required to complete the design tasks, and chat spaces and E-mail will be used for progress reports and the sharing of design strategies and ideas. This subject is designed to provide the student with information, modeling and practice in applying Instructional Design (ID) principles to the design of a simple training program. Given a specific scenario, students are expected to prepare a design statement, complete a needs assessment, write a problem statement, perform task and instructional analyses, develop a curriculum map, and outline planning decisions related to assessment, instructional strategies, media selection, and program evaluation.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Max Gillett

Text books: n/a

Session  contact hours  campus  delivery method

Autumn  n/a  Wollongong  On Campus

EDGH912 Project for Instructional Design  2 cp

Pre-requisites: n/a
Co-requisites: EDGI911
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: There is no attendance requirement for this project, but students may arrange consultation times to suit their own requirements. Class or group meetings may be negotiated and the original www program (EDGI911) is available for reference as required by the individual. This subject involves an application of the understandings and skills developed through the study of EDGI911. It allows students to replicate the design process and generate a design statement relevant to a problem from their own workplace or some other appropriate environment.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Max Gillett

Text books: n/a

Session  contact hours  campus  delivery method

Autumn  n/a  Wollongong  On Campus

EDGH921 Evaluation and Assessment for Adult Learning  6 cp

Pre-requisites: EDGH911
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Pattern of Study: This subject is presented through a combination of the www and class meetings. Chat spaces, DISCUS and E-mail will be used for progress reports and the sharing of decisions, strategies and ideas. This subject is designed for students to develop the essential knowledge, skills, understandings and attitudes which will ensure a sound approach to the assessment of learner performance in training and other educational situations. Students will be required to develop instruments for the assessment of trainee/student learning and the evaluation of instructional interventions. They will be required to justify their approach within the framework of an appropriate evaluation methodology.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session  contact hours  campus  delivery method

Spring  n/a  Wollongong  On Campus

EDGH922 Project for Evaluation and Assessment for Adult Learning  2 cp

Pre-requisites: EDGH921
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Pattern of Study: This subject is presented through independent study and research. However, chat spaces, DISCUS and E-mail will be used for progress reports, the sharing of decisions, strategies and ideas, and the provision of feedback. Through involvement in this project students will understand the nature, role and principles of student assessment and course evaluation. They will exhibit skills in a range of tasks involved in assessment and evaluation, apply these understandings and skills to workplace context, and develop assessment and evaluation strategies based upon a selected evaluation model.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Max Gillett

Text books: n/a

Session  contact hours  campus  delivery method

Spring  n/a  Wollongong  On Campus

EDGH923 Adult Learning Strategies and Communication  6 cp

Pre-requisites: EDGH911
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject is presented through a series of interactive workshops designed to provide students with experience of a range of instructional strategies for adult learning: on-line instruction, interactive multimedia, case study, gaming and simulation, role play, discussion methods, etc. This subject is designed to develop the capabilities of students to (a) select appropriate training/instructional strategies for stated training objectives and (b) design and produce high quality support materials for effective learning in a range of educational contexts. The subject builds upon prior studies in psychology and instructional design and contributes to student insight into the implementation stage of the design process. It comprises practical workshops in the development of instructional plans and strategies for learning. It considers the development of a climate conducive to learning and the design of appropriate learning sequences.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Max Gillett

Text books: n/a

Session  contact hours  campus  delivery method

Spring  n/a  Wollongong  On Campus

EDGH924 Project for Adult Learning Strategies and Communication  2 cp

Pre-requisites: EDGH911
Co-requisites: EDGH923
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Contact hours: Equivalent of 3hrs per week. Through involvement in this project students will be able to implement planned activities for student learning and reflect on both personal performance and student learning. The subject builds upon prior studies in psychology, instructional design and communication, and contributes

Subject Objectives: n/a
EDGH931 Psychology of Adult Learning 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: As professionals engaged in the education and training of adults, students will be expected to develop an understanding of the dynamics, theories, principles and styles commonly identified in adult learning environments. They will consider the context of adult learning, the learner and the learning process. They will be expected to generate a theoretical base for adult learning and to link theory and practice.

Subject Objectives: n/a
Additional Information: Co-ordinator: Dr Max Gillett
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

EDGH932 Project for Psychology of Adult Learning 2 cp

Pre-requisites: n/a
Co-requisites: EDGH931
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: As a result of their involvement in this project students will be able to relate theoretical perspectives to the characteristics of adult learners through critical analysis and synthesis of literature related to a particular aspect of adult learning.

Subject Objectives: n/a
Additional Information: Co-ordinator: Dr Max Gillett
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

EDGH933 Management and Organisational Context of Learning 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject focuses on the organisational and management aspects of adult education and training. The contextual focus includes the political context in which the adult educator or trainer must operate. It explores particular management/organisational issues related to the development of professional competency in the workplace.

Subject Objectives: n/a
Additional Information: Co-ordinator: Dr Christine Fox
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

EDGH934 Project for Management and Organisational Context of Learning 2 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject builds on the professional and theoretical perspectives gained from EDGH933 Management and Organisational Context of Learning. It provides the opportunity for students to explore more deeply a particular management/organisational issue related to the development of professional competency in preparing proposals for enhancing learning in the workplace. The project may take the form of a case study, or a proposal which must include an extensive rationale.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

EDGH935 Issues in Adult in Education 6 cp

Pre-requisites: At least 16cp of subjects from Adult Ed. specialisation
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject requires students to examine current issues facing professionals in the field: international issues such as problem-based learning, access to technology, distance education of adults, implementation of government policies, working with third age learners, equity, renewal of the workforce, and workplace literacy. Students will consider psychological bases for adult learning and teaching, learning contexts and the management of adult teaching and learning.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus

EDGH936 Project for Issues in Adult Education2 cp

Pre-requisites: Pre/Co-requirent(s): EDGH935: Issues in Adult Education
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Successful completion of this subject entails the evaluation of a significant issue in adult learning and teaching, with specific reference to workplace or other contextual applications.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus

EDGH940 Adult Career Development 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: EDGA990 or EDGA998
Assessment: n/a

Subject Description: This subject introduces the area of adult career development and how the professional supports the process. It
introduces the core theories of career development and reviews the selection of a range of career development resources that might be used to help clients. This core subject also examines the personal goals of the career development worker so that the areas for development are related to their own career progression.

**Subject Objectives:** On successful completion of this subject students will be able to: Understand the nature of adult career development, current areas of focus and opportunities adult career development workers; Compare the content and scope of a number of career development theories and identify them to patterns in their own careers; Explain career paths of individuals; Select career development resources and be able to use them with clients; Identify career resource implementation issues for the organisation.

**Additional Information:** Self-study using CD-ROM materials equivalent to approximately 9 hrs study per week. New students in the GCert Adult Career Development program will enrol in this subject. Co-ordinator: Professor John Hedberg.

**Text books:** n/a

**Session** | **contact hours** | **campus** | **delivery method** |
---|---|---|---|
Spring | n/a | Wollongong | Flexible |
Autumn | n/a | Wollongong | Flexible |

**EDGH942 Adult Career Development and the Organisation**

**6 cp**

**Pre-requisites:** EDGH940
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** EDGA990 or EDGA998
**Assessment:** n/a

**Subject Description:** This subject will review the elements of career development within the organisation, it will examine appropriate systems, strategies and how they can be linked to organisational goals. Examples discussed are mentoring systems, workshops, ouplacement, redeployment and career coaching. The final module in the subject will examine the role new technologies can play within the process of developing careers. New methods will include the informal, such as email and more formal methods, such as organisational databases for shared learning and tracking progress.

**Subject Objectives:** On successful completion of this subject students will be able to: Identify modern career development approaches within the organisation, whether they are an internal or external consultant; Identify organisational career development strategies and plan for several possibilities for their implementation; Describe the importance of technologies in creating effective management strategies within highly volatile organisations; Use a computer-based system for career analysis.

**Additional Information:** Self-study using CD-ROM materials equivalent to approximately 9 hrs study per week. New students in the GCert Adult Career Development program will enrol in this subject. Co-ordinator: Professor John Hedberg.

**Text books:** n/a

**Session** | **contact hours** | **campus** | **delivery method** |
---|---|---|---|
Spring | n/a | Wollongong | Flexible |
Autumn | n/a | Wollongong | Flexible |

**EDGH944 Adult Career Development with Clients**

**6 cp**

**Pre-requisites:** EDGH940
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** EDGA990 or EDGA998
**Assessment:** n/a

**Subject Description:** This subject will focus upon the understanding and skills required of a person providing career development support services. It will identify the differences between this role and other counselling roles and will examine styles of helping and identify methods of conflict resolution. The subject will develop specific career support skills including, problem exploration and clarification, client agreements, dynamics of the helping relationship and client occupational decision-making. The effective career outcomes will be examined by reference to roadblocks, constraints, mapping and implementing options, action planning, resources and the problems of transition.

**Subject Objectives:** On successful completion of this subject students will be able to: determine appropriate steps, procedures and checks in developing career action plans and schedules; identify the critical elements of an effective career support relationship; identify the roles, and their limitations, that career counsellors and their clients can engage in; assist clients to identify their strengths and focus on solutions in seeking career change; facilitate the skills of option generation in career decision making.

**Additional Information:** Self-study using CD-ROM materials equivalent to approximately 9 hrs study per week. New students in the GCert Adult Career Development program will enrol in this subject Co-ordinator: Professor John Hedberg.

**Text books:** n/a

**Session** | **contact hours** | **campus** | **delivery method** |
---|---|---|---|
Spring | n/a | Wollongong | Flexible |
Autumn | n/a | Wollongong | Flexible |

**EDGH946 Practicum or Project in Adult Career Development**

**6 cp**

**Pre-requisites:** EDGH940 and one of EDGH942 or EDGH944
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** EDGA836
**Assessment:** n/a

**Subject Description:** This subject provides an opportunity to demonstrate the ability to integrate the essential knowledge, skills, understandings, attitudes and values developed throughout the course. Through the project, students will demonstrate that they have the basic professional competencies to which the preceding subjects have been directed. Students will have the opportunity to synthesise their learnings in the areas of designing adult career development options, implementing and evaluating their effectiveness.

**Subject Objectives:** On successful completion of this subject students will be able to: Demonstrate their understand the nature of adult career development, and current areas of focus. Demonstrate their ability to translate these understandings into a practical project. Devise a career development intervention and implement it within an appropriate setting.

**Additional Information:** Self-study equivalent to approximately 9 hrs study per week. This is the final subject in the revised GCert Adult Career Development program, replacing EDGA836. Co-ordinator: Professor John Hedberg.

**Text books:** n/a

**Session** | **contact hours** | **campus** | **delivery method** |
---|---|---|---|
Spring | n/a | Wollongong | Flexible |
Autumn | n/a | Wollongong | Flexible |

**EDGI911 Information Technology in Education and Training**

**6 cp**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** n/a

**Subject Description:** This subject will enable students to understand the range of issues that must be addressed when employing a variety of instructional strategies to design and deliver technology supported learning environments. The subject will also develop conceptual understanding and skills in the use of a variety of sophisticated authoring tools. Comparisons will also be made with a variety of authoring packages available on multiple platforms for delivery of instructional software.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a
### EDGI912 Project for EDGI911 2 cp

Pre-requisites: n/a  
Co-requisites: EDGI911  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This is an optional project component to be taken in conjunction with EDGI 911. The 2cp Project extends the opportunity to study the issues of EDGI911 Instructional Design.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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### EDGI913 Instructional Strategies and Authoring 6 cp

Pre-requisites: n/a  
Co-requisites: EDGI913  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This subject will enable students to understand the range of issues that must be addressed when employing a variety of instructional strategies to design and develop technology supported learning environments. The subject will also develop conceptual understanding and skills in the use of a variety of sophisticated authoring tools. Comparisons will also be made with a variety of authoring packages available on multiple platforms for delivery of instructional software.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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### EDGI914 Project for EDGI913 2 cp

Pre-requisites: n/a  
Co-requisites: EDGI913  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This is an optional project component to be taken in conjunction with EDGI913. The 2cp Project extends the opportunity to study the issues of EDGI913 Instructional Strategies and Authoring.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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### EDGI915 Network-Based Learning 6 cp

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This subject will look at the design and research that surrounds the development of flexible learning systems and the application of computer mediated communications using the Web and other network environments. Topics to be covered will include the design of information structures for use with hypertext, the design and development of graphical and textual interfaces, and the communication models which can be implemented for web-based learning.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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### EDGI916 Project for EDGI915 2 cp

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This is an optional project component to be taken in conjunction with EDGI915. The 2cp Project extends the opportunity to study the issues of EDGI915 Network-Based Learning  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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### EDGI931 Interactive Multimedia Design 6 cp

Pre-requisites: EDGI911 and EDGI913  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This subject will focus on the design issues associated with delivering educational materials using interactive multimedia. The detailed issues of design will be examined through the use of instructional design models based on theoretical views of learning. Designs will be implemented through a team process and the ways in which learning effectiveness and efficiency is affected will be examined.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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### EDGI932 Project for EDGI931 2 cp

Pre-requisites: n/a  
Co-requisites: EDGI932  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This is an optional project component to be taken in conjunction with EDGI915. The 2 cp Project extends the opportunity to study the issues of EDGI916 Network-Based Learning  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  

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EDGI933  Implementation and Evaluation of Technology-Based Learning  6 cp
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This subject is designed to investigate the links between educational evaluation and implementation particularly where learning is being supported by information technologies. It will seek to define the basic issues facing the practitioner when they are trying to manage technology-based learning projects and to answer such questions as: Is the project effective? Is there a problem with the design or the way it is implemented? How might it be changed or modified? Students will use several on-line tools for Computer Mediated Communications and will work collaboratively over the Web.  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery hours method  
Spring n/a Wollongong Flexible  
EDGI934  Project for EDGI933  2 cp
Pre-requisites: n/a  
Co-requisites: EDGI933  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This is an optional project component to be taken in conjunction with EDGI933. The 2cp Project extends the opportunity to study the issues of EDGI933 Implementation and Evaluation of Technology-Based Learning  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery hours method  
Spring n/a Wollongong Flexible  
EDGI951  Cognition and Interface Design  6 cp
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: n/a  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery hours method  
Autumn n/a Wollongong On Campus  
EDGI952  Project for EDGI951  2 cp
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: n/a  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery hours method  
Autumn n/a Wollongong On Campus  
EDGI953  Current Issues in Information Technology in Education and Training  6 cp
Pre-requisites: CSCI101 or NSW HSC 3 unit computing studies or equivalent  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This is an optional project component to be taken in conjunction with EDGI953. The 2cp Project extends the opportunity to study the issues of EDGI953 Current Issues in Information Technology in Education and Training  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery hours method  
EDGI954  Project for EDGI953  2 cp
Pre-requisites: n/a  
Co-requisites: EDGI953  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: This is an optional project component to be taken in conjunction with EDGI953. The 2cp Project extends the opportunity to study the issues of EDGI953 Current Issues in Information Technology in Education and Training  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery hours method  
EDGI955  Research in Learning Environments 6 cp
Pre-requisites: CSCI101 or NSW HSC 3 unit computing studies or equivalent  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: n/a  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery hours method  
EDGI956  Project for EDGI955  2 cp
Pre-requisites: CSCI101 or NSW HSC 3 unit computing studies or equivalent  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: n/a  
Subject Objectives: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery hours method  
Autumn n/a Wollongong Flexible
EDGI957 (Un)Intelligent Computer Mediated Learning Systems 6 cp

Pre-requisites: EDGI913 and/or EDGI911
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will examine the use of
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

EDGI958 Project for EDGI957 2 cp

Pre-requisites: n/a
Co-requisites: EDGI957
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This is an optional project component to be taken in conjunction with EDGI957. The 2cp Project extends the opportunity to study the issues of EDGI957 (Un) Intelligent Computer Mediated Learning Systems
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

EDGL901 Foundations of Educational Leadership 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

EDGL902 Project in Foundations of Educational Leadership 2 cp

Pre-requisites: EDGL901
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The 2 cp Project extends the opportunity to study the issues of EDGL901 Foundations of Educational Leadership. In general a major project or case study will form the basis of the additional work for the extra 2 cp undertaken
Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong Flexible

EDGL903 Introduction to Educational Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong On Campus

EDGL904 Project in Introduction to Educational Management 2 cp

Pre-requisites: EDGL903
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The 2 cp Project extends the opportunity to study the issues of EDGL903 Introduction to Educational Management. In general a major project or case study will form the basis of the additional work for the extra 2 cp undertaken
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong On Campus

EDGL905 Policy Studies: Global Change and Educational Leadership 6 cp

Pre-requisites: EDGL901 or EDGL903
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This core subject provides a futures oriented context and understanding to the development and implementation of education and training policies in a rapid change, globalising economy. Selected content areas include: internationalisation of economies and social systems; policy and planning implications of weakened nation states, and the emergence of global social, economic, and legal systems; international perspectives on education and training; approaches to policy and planning in comparative social systems; the limitations of central policy and planning systems in rapid change customer focussed contexts; emerging methodologies for effective policy and planning in education and training systems and organisations.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery method
Autumn n/a Wollongong On Campus
EDGL906  Project in Policy Studies: Global Change and Educational Leadership  2 cp

Pre-requisites: n/a  
Co-requisites: EDGL905  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: The 2 cp Project extends the opportunity to study the issues of EDGL905 Policy Studies: Global Change and Educational Leadership. In general a major project or case study will form the basis of the additional work for the extra 2 cp undertaken.  
Restrictions: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery method  
Spring 3 hr/ week or equivalent Wollongong On Campus

EDGL909 Leadership of Effective Change  6 cp

Pre-requisites: 18 credit points of EDGL subjects or equivalent  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
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.  
Restrictions: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery method  
Spring n/a Wollongong On Campus

EDGL910 Project in Leadership of Effective Change  2 cp

Pre-requisites: n/a  
Co-requisites: EDGL909  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: The 2 cp Project extends the opportunity to study the issues of EDGL909 Leadership of Effective Change. In general a major project or case study will form the basis of the additional work for the extra 2 cp undertaken.  
Restrictions: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery method  
Autumn n/a Wollongong On Campus

EDGL911 Leadership of Curriculum and Instruction  6 cp

Pre-requisites: EDGL901 or EDGL903  
Co-requisites: n/a  
Restrictions: n/a  
176  
Exclusions: n/a  
Assessment: n/a  
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 oversee 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.  
Restrictions: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery method  
Spring n/a Wollongong On Campus

EDGL912 Project in Leadership of Curriculum and Instruction  2 cp

Pre-requisites: n/a  
Co-requisites: EDGL911  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: The 2 cp Project extends the opportunity to study the issues of EDGL911 Leadership of Curriculum and Instruction. In general a major project or case study will form the basis of the additional work for the extra 2 cp undertaken.  
Restrictions: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery method  
Spring n/a Wollongong On Campus

EDGL913 Program Evaluation  6 cp

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: A range of evaluation approaches, their assumptions and major methodologies which may be applicable in formal educational, non-formal and business and industry environments are discussed and critiqued. Students have the opportunity to participate in evaluation simulations and undertake and share their own evaluation as part of the subject. Issues addressed include: ethical priorities; program planning and budgeting; QA, accreditation; skill transfer and site based action research.  
Restrictions: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery method  
Spring n/a Wollongong On Campus

EDGL914 Project in Program Evaluation  2 cp

Pre-requisites: EDGL913  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  
Subject Description: The 2 cp Project extends the opportunity to study the issues of EDGL913 Program Evaluation. In general a major project or case study will form the basis of the additional work for the extra 2 cp undertaken.  
Restrictions: n/a  
Additional Information: n/a  
Text books: n/a  
Session contact campus delivery method  
n/a
EDGL915 Information Systems for Educational Leadership 6 cp

Pre-requisites: EDGL901 or EDGL903
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This core subject deals with the development of understandings and skills required of educational leaders in the transformational influences of information systems and information technology on the education and training function. Topics will include: information systems and their impact on educational management; development of information analysis techniques; writing specifications for systems; linking information systems with management processes and organisational structures; issues for educational management; course delivery, logistics; records management; databases; and curriculum organisation.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus

EDGL916 Project in Information Systems for Educational Leadership 2 cp

Pre-requisites: EDGL915
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: 2 cp Project extends the opportunity to study the issues of EDGL915 Information Systems and Educational Leadership. In general a major project or case study will form the basis of the additional work for the extra 2 cp undertaken.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus

EDGL917 Quality Learning and Teaching 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Students will examine the impact on learning communities of changing instructional and learning needs in relation to concepts of quality, effectiveness, improvement and accountability. Critical influences of learning contexts on learning outcomes will be considered. Students will explore recent developments in learning and teaching theory in terms of the enhancement of reflective and self-directed learning, the encouragement of student voice, mentoring, and interactive multimedia teaching and learning strategies.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

EDGL918 Project in Quality Learning and Teaching 2 cp

Pre-requisites: Pre/Co-Requisite: EDGL917
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The 2 cp Project extends the opportunity to study the issues of EDGL917 Quality Learning and Teaching. In general a major project or case study will form the basis of the additional work for the extra 2 cp undertaken.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

EDGP910 Introduction to Outdoor Education 6 cp

Pre-requisites: BMS101 and permission of subject co-ordinator
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

EDGP911 Project for EDGP910 2 cp

Pre-requisites: BMS101 and permission of subject co-ordinator
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

EDGP932 Issues in Coach Education and Sport Management 6 cp

Pre-requisites: BMS101 and permission of subject co-ordinator
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn n/a Wollongong On Campus

EDGP933 Project for EDGP932 2 cp

Pre-requisites: BMS101 and permission of subject co-ordinator
Co-requisites: n/a
Restrictions: n/a
EDGP990 Practicum in a Learning Environment 6 cp

Pre-requisites: At least 12cp of EDGP subjects
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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EDGP991 Project for EDGP990 2 cp

Pre-requisites: EDGP990
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This is an optional project component subject taken in conjunction with EDGP932 and not available separately. The 2 cp Project extends the opportunity to study the issues of EDGP932.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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EDGR911 Teaching Reading 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject will examine the nexus between reading theories and practices. Topics to be studied will include: reading and its relationship to language and learning; models of reading instruction and and practices; history of reading policies and methods; learning to read and learning through reading; sociocultural relationships between the reader and the written texts; reading for different purposes; evaluation of reading; the reading-writing connections and current debates around reading instruction.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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EDGR912 Teaching Writing 8 cp

Pre-requisites: EDGR911
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject will examine the nexus between writing theories and practices. Topics to be studied will include: the writing process and its relationship to language and learning; models of writing instruction; learning to write and learning through writing; the role of context, purpose and audience in shaping written genres; the writing/reading connection - specifically spelling, grammar and the role of editing and proofreading, and the evaluation of written texts.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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EDGS910 Learning Theories and Exceptionality 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject explores a range of learning theories and their application to children with special needs. Topics include: behaviourism, Piaget and critiques of his theory; socio-cultural accounts of learning; information processing perspectives including the development of metacognition and self-regulation; the relationships among language, learning and thought; and issues in the assessment of intelligence.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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EDGS911 Project in Exceptional Education Practices 2 cp

Pre-requisites: EDGS910 Learning Theories & Exceptionality
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject builds on the theoretical perspectives gained from the subject, Learning Theories and Exceptionality. It provides the opportunity for students to explore more deeply a particular learning theory and its application to children with special needs. Students will select one theoretical perspective and then complete a project related to the practical application of that theory. The project may take the form of a case study, a curriculum plan or an evaluation study. Projects will be determined in consultation with the lecturer.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

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EDGS912 Contemporary Perspectives Education of Students with Diverse Needs 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will critically examine current philosophical and policy issues related to the education of students with special needs, including gifted children. The link between theoretical frameworks and practical applications will be explored with a particular focus on the impact of current theories on change processes in special education.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Spring n/a Wollongong On Campus

EDGS913 Project in Contemporary Perspectives 2 cp
Pre-requisites: n/a
Co-requisites: EDGS912
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject builds on the theoretical perspectives gained from the subject, Contemporary Perspectives in the Education of Students with Diverse Needs. It provides the opportunity for students to explore more deeply a particular issue related to policy or programming for students with special needs. Students completing the project will select a topic in consultation with the lecturer. The project may take the form of a case study, a curriculum plan or an evaluation study.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Spring n/a Wollongong On Campus

EDGS914 Assessment and Instruction of Students with Learning Difficulties 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Spring n/a Wollongong On Campus

EDGS915 Programs for Students with Learning Difficulties 2 cp
Pre-requisites: n/a
Co-requisites: EDGS914
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will provide students with the opportunity to investigate the educational needs of one particular group of students, and to evaluate the efficacy of current responses to their educational needs. Students will draw upon understandings and skills developed in EDGS914 which is a pre- or co-requisite for this subject.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Spring n/a Wollongong On Campus

EDGS916 Models of Behaviour Management 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Autumn n/a Wollongong On Campus

EDGS917 Programming for Behaviour Management 2 cp
Pre-requisites: n/a
Co-requisites: EDGS916
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will build on the conceptual understandings and skills developed in EDGS916 and involve the development of a schoolwide behaviour management plan for a nominated educational setting. It will incorporate an analysis of the function of schools, the causes of inappropriate behaviour and the role of the teacher in guiding student behaviour.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Autumn n/a Wollongong On Campus

EDGS918 Approaches to Reading Difficulties: Theories and Strategies 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
### Subject Descriptions

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#### EDGS919 Reading Difficulties: Program Design and Implementation 2 cp

**Pre-requisites:** n/a  
**Co-requisites:** EDGS918  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  
**Subject Description:** This subject will engage students in the practical implementation of current theories regarding the identification and remediation of reading difficulties. Students will be required to work with a student with reading difficulties for a period of 6-8 weeks. This will involve pre- and post-assessment tasks and designing and implementing an appropriate instructional program.

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#### EDGS920 Language and Communication Difficulties: Theory and Practice 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  
**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.

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#### EDGS921 Language-Related Learning Difficulties: A Case Study 2 cp

**Pre-requisites:** n/a  
**Co-requisites:** EDGS920  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  
**Subject Description:** This subject examines the impact of language-related learning difficulties on academic performance. Students will analyse the needs of a child with such difficulties and make recommendations for compensatory teaching practices to enhance classroom success.

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#### EDGS922 Teaching Gifted Students 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  
**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.

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#### EDGS923 Project in Gifted Education 2 cp

**Pre-requisites:** n/a  
**Co-requisites:** EDGS922  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  
**Subject Description:** This subject builds on the theoretical perspectives gained from the subject, Teaching Gifted Students. It provides the opportunity for students to explore more deeply a particular issue related to policy or programming for gifted students. Students completing the project will select a topic in consultation with the lecturer. The project may take the form of a case study, a curriculum plan or an evaluation study.

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#### EDGS924 Giftedness in Special Populations 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  
**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.

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#### EDGS925 Project in Dual Exceptionality 2 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  
**Subject Description:** This subject builds on the theoretical perspectives gained from the subject, Giftedness in Special Populations. It provides the opportunity for students to explore more deeply a particular issue related to policy or programming for gifted students with other special needs.
needs related to their gender, ethnicity, or disability. Students completing the project will select a topic in consultation with the lecturer. The project may take the form of a case study, a curriculum plan or an evaluation study.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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EDGZ900 Introduction to Research Methods in Education 8 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: EDGA900

Assessment: n/a

Subject Description: Topics to be studied will include principles and epistemology of educational research; descriptive and inferential techniques; case study and action research; problem identification; design and analysis; interpretation of findings; information and computer based technology in research; overview of research paradigms; ethics in education research. A self-study module is also available for students who have difficulty attending the Wollongong campus.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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EDGZ901 Advanced Qualitative Research Methods 8 cp

Pre-requisites: EDGA900 or EDGZ900 or equivalent

Co-requisites: n/a

Restrictions: n/a

Exclusions: EDGA901

Assessment: n/a

Additional Information: Previously EDGA901

Text books: n/a

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EDGZ902 Advanced Quantitative Research Methods 8 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: EDGA902

Assessment: n/a

Subject Description: The objective of the subject is to provide some of the practical statistical tools that can be used to carry out educational research. There is heavy emphasis on practical use of software to solve statistical problems, but this is done only after formal derivation of particular techniques.

Subject Objectives: n/a

Additional Information: Previously EDGZ902

Text books: n/a

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EDGZ903 Minor Project in Education 8 cp

Pre-requisites: At least 16 cp in specialisation

Co-requisites: n/a

Restrictions: n/a

Exclusions: EDGZ903

Assessment: n/a

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.

Subject Objectives: n/a

Additional Information: Students enrolled in on-campus programs will enrol in EDGZ903. Distance education students only will enrol in EDGZ903.

Text books: n/a

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EDGZ904 Minor Honours Thesis 32 cp

Pre-requisites: Prerequisite: completion of 16 credit points of appropriate coursework, including EDGZ901 or EDGZ902, completed at Credit level or better.

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: This is the thesis subject for new candidates enrolled in the Minor Thesis component of the Master of Education (Honours) program in the Faculty of Education. Candidates are required to submit a research thesis in line with relevant University Rules. No thesis work should be commenced without the approval of the appropriate academic supervisor and the Head of the Graduate School of Education. Intending candidates should consult the information on admission and course requirements contained in the current Graduate School of Education Handbook.

Subject Objectives: n/a

Additional Information: New MEd(Hons) students will enrol in EDGZ904, the 32cp Minor Thesis. This comprises 2/3 of the MEd(Hons) course requirements.

Text books: n/a

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EDGZ905 Major Honours Thesis 48 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: This is the thesis subject for candidates enrolling in a Major Thesis in the MEd(Hons) course in the Faculty of Education. Candidates are required to submit a research thesis in line with the relevant University Rules. No thesis work should be commenced without approval from an appropriate academic supervisor and the Head of the Graduate School of Education.
### Subject Descriptions

#### EDGZ909 Doctoral Thesis

**CPs:** 48 cp

**Pre-requisites:** completion of required coursework at appropriate level.

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** This is the thesis subject for candidates enrolled in the Doctorate of Education, or a Ph.D supervised in the Faculty of Education. Candidates are required to submit a research thesis in line with the relevant University Rules. No thesis work should be commenced without the approval of the appropriate academic supervisor and the Head of the Graduate School of Education. Intending candidates should consult the information on admission and course requirements contained in the current Graduate School of Education Handbook and refer to the information provided for EDGZ909. Candidates in EDGZ909, EDGZ905 and EDGZ909 will be required as part of their candidacy to participate in and present reports of their research to seminars and other appropriate forums at least once a year. Continuation of candidature will be subject to the satisfactory progress of the research, and to regular participation in such events as monitored through the Annual Progress Report. All candidates are required to be familiar with the current University of Wollongong Code of Practice-Supervision. Candidates enrolling with effect from Autumn Session, 1995 are required to present a review of their proposed research topic within the first session (full-time students) or two sessions (part-time students) of their candidature. The nature of this review should be discussed with the Head of the Graduate School and the Supervisor(s) in the first session of the candidature. Continuation of candidature will be conditional on the satisfactory presentation of the review and acceptance of the proposal by the appropriate Committee of the Graduate School of Education.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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#### EDGZ912 Special Research Topic

**CPs:** 8 cp

**Pre-requisites:** EDGA900 or EDGZ900 or equivalent

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** This 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.

**Subject Objectives:** n/a

**Additional Information:** Previously EDGA912

**Text books:** n/a

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#### EDUC800 Practicum

**CPs:** 8 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:**

**Subject Description:** This is the practice teaching component of the course. Students undertake a total nine weeks of practice teaching, supervised by University and school staff, together with five field experience days during which they undertake a wide variety of activities in preparation for the practice teaching. At least six weeks of the practice will be undertaken in the Illawarra while overseas and other options are available for three weeks.

**Subject Objectives:** n/a

**Additional Information:** Co-ordinator: Dr Michael Wilson

**Text books:** n/a

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#### EDUC801 Learners With Special Needs

**CPs:** 4 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** This subject aims at developing an understanding of those students in regular classrooms who do not succeed at the same rate as their peers, either through learning difficulties or behaviour disorders. The focus of the subject is on the development of teaching strategies and behaviour management skills which will enable teachers to increase the effectiveness of their teaching and facilitate the learning of all students.

**Subject Objectives:** n/a

**Additional Information:** Course Co-ordinator: Dr Michael Wilson

**Text books:** n/a

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#### EDUC802 Pedagogy

**CPs:** 8 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** Issues in pedagogy which are common to all levels and areas of teaching as a support to the more detailed and specific work of the Methods subjects. Topics covered will include: communication problems in the classroom; student differences and learning and teaching styles; classroom uses of Information Technology and the role of language in teaching and learning.

**Subject Objectives:** n/a

**Additional Information:** Co-ordinator: Dr Michael Wilson

**Text books:** n/a

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#### EDUC803 Perspectives A

**CPs:** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** This subject aims to enrich students' reflection on their experiences in schools through awareness of wider educational issues arising from studies of the history of Australian education, the
sociology of education and schools, psychological perspectives, and various philosophical positions on education. Students' critical analyses within each of the disciplines are designed to highlight the inter-relationships among them and the ways in which these disciplines impact on educational practice.

**Subject Objectives:** n/a

**Additional Information:** Co-ordinator: Dr Michael Wilson

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**EDUC804 Perspectives B** 4 cp

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**Subject Description:** Secondary GDE: students will undertake studies in two elected areas. The elected areas offered may include Aboriginal Education, Computers in the Classroom, Children's Literature, Reading Instruction and Remediation, Philosophy of Alternative Education, Global Education, Intercultural Education and others.

**Subject Objectives:** n/a

**Additional Information:** Co-ordinator: Dr Michael Wilson

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**EDUC805 Perspectives C** 2 cp

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**Subject Description:** Primary GDE: students will undertake studies in one elected area. The elected areas offered may include Aboriginal Education, Computers in the Classroom, Children's Literature, Reading Instruction and Remediation, Philosophy of Alternative Education, Global Education, Intercultural Education and others.

**Subject Objectives:** n/a

**Additional Information:** Co-ordinator: Dr Michael Wilson

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**EDUC806 Curriculum Studies** 6 cp

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**Subject Description:** Curriculum as planned, in action in the classroom and the relationship between these. Curriculum approaches, relationships and models. Aims, objectives, outcomes. Assessment and evaluation. Curriculum issues and perspectives: core curricula, gender, multicultural, Aboriginal and global perspectives, the inclusive curriculum. All these areas are examined in the context of teachers' professional classroom work.

**Subject Objectives:** n/a

**Additional Information:** Co-ordinator: Dr Michael Wilson

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**EDUC811 Personal Development, Health and Pe** 4 cp

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**Subject Description:** This subject will cover aspects of personal development, health and physical education for which all teachers, whether primary or secondary, share responsibility. The subject will acquaint prospective teachers with a variety of health issues which are important to young people. Further, it will equip them with the knowledge and confidence to organise and supervising groups of young people during physical and sporting activities.

**Subject Objectives:** n/a

**Additional Information:** Co-ordinator: Dr Michael Wilson

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**EDUC821 Social Science I Method** 4 cp

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**Subject Description:** These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Social Science, Music and Art are offered as both "single" and "double" methods.

**Subject Objectives:** n/a

**Additional Information:** Co-ordinator: Dr Michael Wilson

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**EDUC822 Social Science II Method** 4 cp

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**Subject Description:** These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in
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Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

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**EDUC831 English Method** 4 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

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**EDUC832 History Method** 4 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

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**EDUC833 Drama Method** 4 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

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**EDUC841 English As a Second Language Method** 4 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

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EDUC842 French Method 4 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

Session contact hours campus delivery method
Annual n/a Wollongong On Campus

EDUC844 Italian Method 4 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

Session contact hours campus delivery method
Annual n/a Wollongong On Campus

EDUC845 Japanese Method 4 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

Session contact hours campus delivery method
Annual n/a Wollongong On Campus

EDUC851 Mathematics I Method 4 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

Session contact hours campus delivery method
Annual n/a Wollongong On Campus

EDUC852 Mathematics II Method 4 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

Session contact hours campus delivery method
Annual n/a Wollongong On Campus
### Subject Descriptions

**EDUC860 Primary Method**

**Subject Description:** These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum, classroom management; the range and evaluation of contemporary resources. Primary students will undertake EDUC 860 Primary Methods, only.

**Subject Objectives:**

**Additional Information:**

**Text books:**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** n/a

**Session**

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**EDUC871 Science I Method**

**Subject Description:** These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum, classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

**Subject Objectives:**

**Additional Information:**

**Text books:**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** n/a

**Session**

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**EDUC872 Science II Method**

**Subject Description:** These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment, evaluation of learning programs and teacher performance in relation to the presentation of the curriculum, classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

**Subject Objectives:**

**Additional Information:**

**Text books:**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a
**Assessment:** n/a

**Session**

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Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

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EDUC891 Music I Method 4 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment; evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

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EDUC892 Music II Method 4 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: n/a

Subject Description: These subjects relate the student's subject discipline(s) (from undergraduate studies) to professional classroom practice. Students will be permitted to enrol only in Method subjects for which they have an adequate formal academic background. The understandings, strategies and skills established in other strands of the course will be applied to the study of specific school curricula and the implementation of these curricula in schools. Topics studied will include: school curricula and the educational perspectives relevant to teaching and learning; the investigation of appropriate learning environments; teaching and learning styles; strategies and skills as they apply to the presentation of the lessons, unit planning and programming; student assessment; evaluation of learning programs and teacher performance in relation to the presentation of the curriculum; classroom management; the range and evaluation of contemporary resources. Secondary students will undertake two Methods subjects: either two "double" Methods (e.g. Science I Method and Science II Method) or two "single" Methods (e.g. English Method and History Method). Social Science, Music and Art are offered as both "single" and "double" methods.

Subject Objectives: n/a

Additional Information: Co-ordinator: Dr Michael Wilson

Text books: n/a

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EDXM901 Doctoral Thesis 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: n/a

Subject Description: This subject is the thesis subject for students enrolled in a Doctoral Thesis jointly supervised by Education and Management. Candidates must meet the Graduate School Thesis requirements, including Research Proposal presentations, as outlined for Doctoral candidates. (See description for EDGZ909)

Text books: n/a

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FACULTY OF ENGINEERING

The Faculty of Engineering offers postgraduate qualifications in seven major areas namely:

Civil Engineering

Engineering Management

Engineering Physics

Environmental Engineering

Materials Engineering

Mechanical Engineering

Mining Engineering

Programs may be taken in the following:
- Advanced Engineering Materials
- Advanced Manufacturing
- Applied Mechanics
- Bulk Solids and Particulate Technologies
- Civil Engineering
- Engineering Management
- Environmental Engineering
- Maintenance Management
- Material Engineering
- Materials Handling
- Materials Processing
- Materials Welding and Joining
- Mechatronics
- Metallurgy
- Mechanical Engineering
- Mining Engineering
- Physics
- Steel Processing and Products

Civil Engineering

Courses Offered

The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Engineering by Coursework or Research
- Master of Engineering Practice in Civil Engineering
- Graduate Diploma in Engineering

Current Research Areas

The following areas of research are available to candidates undertaking the Honours Master of Engineering degree by research and the Doctor of Philosophy degree:

- Steel and concrete structures
- Bridge engineering
- Soil and rock mechanics
- Foundation engineering, including railways
- Slope stability and reliability analysis
- Soft ground improvement technology
- Reinforced earth
- Embankment and embankment engineering
- Finite element and other numerical methods
- Structural dynamics
- Cementitious materials for construction
- Flood studies, hydraulics and hydrology
- Water quality engineering
- Geo-environmental studies

Doctor of Philosophy

Candidates for the degree enrol in the subject CIVL957 PhD Major Thesis.

Honours Master of Engineering

The following opportunities are available for graduates to conduct research or pursue an advanced course of study:

a) The Honours Master of Engineering Degree by Research Thesis.

The Honours Master of Engineering Degree by research thesis is intended for those engineers qualified and interested in specific problems. Students enrol in CIVL955 ME Major Thesis.
b) The Honours Master of Engineering Degree by Combinations of Coursework and Research Thesis.

This is the normal course for the younger Civil Engineer, which provides him or her with training in research and also allows greater depth of understanding in specialist postgraduate areas.

A candidate who has a Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification, will enrol in subjects with a value of not less than 48 cps.

The programs of study allow the student to combine specialist postgraduate subjects according to his or her undergraduate background, with project work. It is intended to strengthen professional training in a context of problems and policies which reach beyond the conventionally recognised boundaries of single disciplines. Elective postgraduate subjects and introductions to disciplines in which the student has no experience, are available.

Aims

The program for the Honours Master of Engineering has two explicit aims:

i) Specialist Training. Postgraduate training is provided for students with appropriate backgrounds, to enable professional development in their particular discipline. This is achieved by providing access to existing postgraduate courses already offered by Civil Engineering.

ii) Interdisciplinary Training. An interdisciplinary framework is provided, within which postgraduate training in civil engineering may be integrated with other disciplines. This is achieved by the provision of limited access to concentrated study in other disciplines.

Core Subject
ENGG945 Dissertation

Elective Subjects
CIVL901 Project
CIVL902 Reliability in Geotechnical Engineering
CIVL903 Concrete Technology
CIVL904 Highway Materials
CIVL905 Transportation Engineering
CIVL907 Civil Engineering Computations
CIVL908 Advanced Soil Mechanics
CIVL909 Advanced Foundation Engineering
CIVL910 Vibrations of Structures
CIVL911 Finite Element Methods
CIVL912 Engineering Hydrology
CIVL914 Analysis and Design of Bridge Structures
CIVL916 Research Topics in Civil Engineering
CIVL918 Steel Structures
CIVL919 Earth Structures
CIVL923 Advanced Reinforced Concrete
CIVL924 Advanced Studies in Computer Aided Design and Draughting
ENVI920 Principles of Environmental Engineering

Note 1: The coursework program will not be offered if enrolment is less than 6 students.
Note 2: Not all subjects available in any one year.

Master of Engineering Practice in Civil Engineering

A candidate who has a Bachelor of Civil Engineering or Environmental Engineering degree from this university, or an approved equivalent qualification, would normally be accepted. A student enrolled in a full-time program is expected to take one year to complete this course.

Dissertation Candidates enrol in ENGG940 (12 cp) plus three core and three elective subjects from the Master of Engineering Practice program as follows:

Core Subjects
ENGG950 Innovation and Design
ENGG951 Engineering Project Management
ENGG952 Engineering Computing
or
WBS901 Accounting for Managers

Elective Subjects
CIVL903 Concrete Technology
CIVL908 Advanced Soil Mechanics
CIVL923 Advanced Foundation Engineering
CIVL912 Engineering Hydrology
CIVL918 Steel Structures
CIVL922 Advanced Reinforced Concrete
CIVL924 Advanced Studies in Computer Aided Design and Draughting
CIVL981 Special Topic A
CIVL982 Special Topic B

Note 1: Not all subjects available in any one year.

Graduate Diploma in Engineering

A candidate who has completed a degree of Bachelor of Engineering and wishes to qualify for the Graduate Diploma in Engineering will enrol in the 48 credit point subject CIVL899 Advanced Topics in Engineering.

Upon satisfactory completion of the subject CIVL899, the candidate is eligible for award of the Graduate Diploma in Engineering. A person who is awarded the Graduate Diploma in Engineering and who subsequently satisfies the requirements for award of the degree of Honours Master of Engineering is deemed to have surrendered the testamur and associated rights for the Graduate Diploma prior to receiving the Honours Master degree.
Engineering Management

The following postgraduate degrees and diplomas are available:

Honours Master of Engineering (Maintenance Management)
Master of Engineering Practice in Engineering Management
Master of Engineering Practice in Maintenance Management
Graduate Diploma in Maintenance Management
Graduate Certificate in Engineering
Graduate Certificate in Maintenance Management

Honours Master of Engineering (Maintenance Management)

Direct entry to the Honours Master of Engineering (Maintenance Management) course will require a tertiary degree of approved standard from a recognised institute, e.g. a BE (Hons) degree or equivalent. Maintenance engineers having completed their Graduate Diploma degree (Maintenance Management) will be given appropriate credits for the course they already have completed. Credits may also be approved for other qualifications or experience for suitable applicants.

In order to then obtain an Honours Masters of Engineering (Maintenance Management), the candidate must have a Graduate Diploma in Engineering (Maintenance Management) or equivalent and have completed successfully a further 48 cp. These must consist of 2 core and 2 elective subjects and a 24 cp research project leading to a dissertation.

The research project required for the honours master degree will run in parallel with the formal coursework throughout the anticipated last year of a candidate's study. Students will be able to choose a suitable investigation from the current research activities at any of the Departments involved.

Core:

- ENGG945  Dissertation
- MECI1971  Systems Analysis for Maintenance
- MECI1973  Systems Engineering and Life Cycle Management
- MECI1976  Maintenance System Design and Management
- WBS903  Managing People at Work

Electives:

- ACCY901  Accounting for Managers
- WBS906  Information Systems for Managers
- MECI1972  Condition Based Maintenance
- MECI1977  Advanced Topics in Maintenance 1

Plus other postgraduate subjects from the Business School or Engineering, subject to approved from the course coordinator.

Master of Engineering Practice in Engineering Management

A candidate who has a Bachelor of Engineering degree in any discipline from this university, for an approved equivalent qualification, would normally be accepted. A student enrolled in a full-time program is expected to take one year to complete this course.

Core Subjects

- ENGG950  Innovation and Design
- ENGG951  Engineering Project Management
- ENGG952  Engineering Computing
- ENGG940  Engineering Dissertation

Option 1: Human and Financial Resource Management stream

- WBS901  Accounting for Managers
- WBS903  Managing People in Organisations
- WBS908  Supply Chain Management

or

Option 2: Maintenance Management stream

- MECI1971  Systems Analysis for Maintenance
- MECI1973  Systems Engineering and Life Cycle Management
- MECI1976  Maintenance System Design and Management

Note 1: Students may be able to substitute other subjects from the Business School or Maintenance Management schedules depending on background and experience.

Master of Engineering Practice in Maintenance Management

The normal entry requirement is a Bachelor of Engineering or equivalent qualification. Students who complete other Maintenance Management courses with a credit average may apply for entry to the Master of Engineering Practice course.

Appropriate advanced standing will be determined by the Course Coordinator.

Core:

- STAT942  Design and Analysis for Quality Control
- MECI1971  Systems Analysis for Maintenance
- MECI1973  Systems Engineering and Life Cycle Management
- MECI1976  Maintenance System Design and Management
- WBS903  Managing People in Organisations
- ENGG940  Dissertation
Course Structures

Plus 1 elective to be selected from the list below.

Electives:
- WBS901  Accounting for Managers
- WBS906  Information Systems for Managers
- MECI 1972  Condition Based Maintenance
- MECI 1977  Advanced Topics in Maintenance 1

Plus other postgraduate subjects from the Business School or Engineering, subject to approval from the course coordinator.

Graduate Diploma in Maintenance Management

Entry to this Diploma normally will require an approved Bachelor degree from this University or an approved equivalent qualification. However, maintenance managers/engineers without tertiary qualifications in engineering but with significant industrial experience, will also be considered for admission to a limited number of places.

Students completing the Graduate Diploma in Maintenance Management at the University of Wollongong will have the option to enter into the Honours Master of Engineering (MEng Mgt).

To qualify for the Graduate Diploma in Maintenance Management students must complete the following:

- STAT949  Statistical Thinking
- MECI 1470  Maintenance Management
- MECI 1972  Condition Based Maintenance
- WBS903  Accounting for Managers
- MECH 972  Systems Engineering and Life Cycle Management
- MECH 977  Advanced Topics in Maintenance 1

Graduate Certificate in Engineering

A candidate who has a Bachelor of Engineering degree in any discipline from this university, or an approved equivalent qualification, would normally be accepted. Students may be admitted with a TAFE Advanced Diploma and relevant industrial experience.

Core Subjects
- ENGG 950  Innovation and Design
- ENGG 951  Engineering Project Management
- ENGG 952  Engineering Computing

Graduate Certificate in Maintenance Management

Usual entry requirement is a Bachelor of Engineering or relevant degree. Other qualifications together with significant relevant experience in the area will also be considered. Applicants are required to submit a CV with their application and where relevant a supporting letter from their employer.

Core:
- STAT 949  Statistical Thinking
- ENGG 921  Engineering Data Reduction and Error Analysis
- MECI 1972  Condition Based Maintenance
- MECH 973  Systems Engineering and Life Cycle Management
- WBS903  Managing People at Work

Elective Subject

Engineering Physics

The following postgraduate degrees and diplomas are available:

Doctor of Philosophy
Honours Master of Science
Master of Science in Medical Radiation Physics
Graduate Diploma in Science
Current Research Areas

The following areas of research are available to candidates undertaking the Honours Master of Science degree by research and the Doctor of Philosophy degree:

- Astronomy - visible and infrared, planetary surfaces
- Experimental nuclear physics
- Laser spectroscopy
- Medical and Radiation Physics
- Scattering of light by solids
- Solid state spectroscopy of impurities in semi-conductors
- Studies of electronic wave functions in solids
- Theoretical astrophysics - galaxy formation, gas dynamics

Doctor of Philosophy

Candidates for this degree enrol in PHYS999.

Honours Master of Science

The course will be made up of subjects selected from those described below, in accordance with the Honours Masters Degree Rules together with the following conditions:

1) entry to the degree program will normally be from an Honours degree in Physics or the Graduate Diploma in Science (Physics) or from a pass degree with an appropriate three year sequence in Physics;

2) students entering with a degree of Honours Class II, Division 2 or above in an appropriate area, will do the 48 credit point PHYS999 Major Thesis;

3) students entering with a degree below Honours Class II, Division 2 will do the 48 credit point PHYS999 and a 48 credit point combination of subjects chosen from the remaining Graduate Subjects below and the list of undergraduate Physics subjects. These subjects will normally be chosen in consultation with and approved by the Director of Studies.

Graduate Subjects

- PHYS910 Advanced Project in Physics A
- PHYS946 Advanced Solid State Physics
- PHYS947 Special Topics in Physics A
- PHYS948 The Physics of Imaging
- PHYS950 Advanced Project in Physics B
- PHYS997 Special Topic in Physics B
- PHYS999 Major Thesis

Master of Science in Medical Radiation Physics

This is a one year full-time or two year part-time course. The normal entry to this degree requires the completion of an Honours BSc or equivalent with Physics as a major study. Candidates who have completed a bachelor's degree which does 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 postgraduate research degree in Medical Radiation Physics.

The course consists of a research project and four subjects:

- PHYS951 Medical Physics Research Project
- PHYS952 Radiation and Radiotherapy Physics
- PHYS953 Medical Imaging and Nuclear Medicine
- PHYS954 Radiobiology and Radiation Protection
- GMBH927 An Introduction to Human Anatomy and Physiology

Graduate Diploma in Science (Physics)

Introduction and Objectives

This one year full-time or two year part-time course is designed to provide:

1) a Masters qualifying course for students who have inadequate preparation for direct entry into the Honours Masters program;

2) an opportunity for Science teachers who have a degree but have taken Physics to first or second year level only, to improve their understanding and horizons in Physics;

3) an opportunity for International students and students without a full major in Physics to update their knowledge of Physics.

Entry to the Course

Students must consult the Director of Studies for admission to the course. Forty eight (48) credit points to be chosen from the following list in consultation with the Director of Studies.

- PHYS230 Intermediate Physics 12
- PHYS233 Environmental Physics 6
- PHYS255 Radiation Physics 6
- PHYS295 Concepts of the Modern Universe 6
- PHYS235 Mechanics and Thermodynamics 6
- MATH201 Multivariate and Vector Calculus* 6
- MATH202 Applied Differential Equations* 6
- MATH283 Mathematics HE for Engineers Part 1 6
- MATH284 Mathematics HE for Engineers Part 2 6
- PHYS305 Quantum Mechanics* 6
## Course Structures

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<td>Electromagnetism and Plasma Physics*</td>
<td>6</td>
</tr>
<tr>
<td>PHYS335</td>
<td>Classical Mechanics*</td>
<td>6</td>
</tr>
<tr>
<td>PHYS365</td>
<td>Detection of Radiation: Neutrons, Electrons and X-Rays</td>
<td>6</td>
</tr>
<tr>
<td>PHYS375</td>
<td>Nuclear Physics</td>
<td>6</td>
</tr>
<tr>
<td>PHYS385</td>
<td>Statistical Mechanics*</td>
<td>6</td>
</tr>
<tr>
<td>PHYS390</td>
<td>Astro and Nuclear Physics</td>
<td>6</td>
</tr>
<tr>
<td>PHYS401</td>
<td>Theoretical Mechanics and Electromagnetism</td>
<td>8</td>
</tr>
<tr>
<td>PHYS441</td>
<td>Astro- and Nuclear Physics</td>
<td>8</td>
</tr>
<tr>
<td>PHYS444</td>
<td>Quantum Mechanics</td>
<td>8</td>
</tr>
<tr>
<td>PHYS446</td>
<td>Solid State Physics</td>
<td>8</td>
</tr>
<tr>
<td>PHYS452</td>
<td>Medical Imaging</td>
<td>8</td>
</tr>
<tr>
<td>PHYS453</td>
<td>Radiobiology and Radiation Protection</td>
<td>8</td>
</tr>
<tr>
<td>PHYS454</td>
<td>Physics of Diagnostic Radiology</td>
<td>8</td>
</tr>
<tr>
<td>PHYS455</td>
<td>Basic and Applied Pathology</td>
<td>8</td>
</tr>
<tr>
<td>PHYS456</td>
<td>Imaging Physics</td>
<td>8</td>
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<tr>
<td>PHYS5910</td>
<td>Advanced Project in Physics A</td>
<td>6</td>
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<tr>
<td>PHYS5947</td>
<td>Special Topics in Physics A</td>
<td>6</td>
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<tr>
<td>PHYS5948</td>
<td>The Physics of Imaging</td>
<td>6</td>
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<tr>
<td>PHYS5960</td>
<td>Advanced Project in Physics B</td>
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<tr>
<td>PHYS5990</td>
<td>Applied Physics Project</td>
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</tr>
<tr>
<td>PHYS5997</td>
<td>Special Topics in Physics B</td>
<td>6</td>
</tr>
</tbody>
</table>

* These subjects are pre and co-requisites of some of the physics subjects.

## Environmental Engineering

### Courses Offered

The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Engineering by Coursework or Research
- Master of Engineering Practice in Environmental Engineering
- Graduate Diploma in Engineering

### Current Research Areas

The following areas of research are available to candidates undertaking the Honours Master of Engineering degree by research and the Doctor of Philosophy degree:

- Water quality engineering
- Environmental hydraulics and unit processes
- Pollution control engineering
- Water quality and quantity modelling of catchments, rivers and lakes
- Soil erosion and sediment transport
- Environmental pollution modelling
- Recycling and waste management
- Environmental geotechnology
- Solid-liquid separation processes
- Transport and the environment

### Doctor of Philosophy

Candidates for the degree enrol in the subject ENVE957 PhD Major Thesis

### Honours Master of Engineering

**a)** The Honours Master of Engineering Degree by Research Thesis.

Candidates enrol in the subject ENVE955 ME Major Thesis.

**b)** The Honours Master of Engineering Degree by combination of Coursework and Dissertation.

Candidates enrol in the subject ENGG945(24 cp) plus four subjects from the Honours Master of Engineering program.

A candidate who has a Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification, will enrol in subjects with a value of not less than 48 cp. A candidate who has completed a degree of Bachelor of Engineering and who has not qualified for any class of Honours, or a candidate who has completed other than a Bachelor of Engineering degree, will enrol in a 96 credit point program, consisting of the subjects ENVE899, plus either program (a) or program (b).

### Elective Subjects

- ENVE901 Project
- ENVE916 Research Topics in Environmental Engineering
- ENVE920 Principles of Environmental Engineering
- ENVE921 Wastewater Engineering
- ENVE922 Water Supply Engineering
- ENVI920 The Scientific Basis of Environmental Management
- ENVI921 Environmental Planning
- CIVL908 Advanced Soil Mechanics
- CIVL912 Engineering Hydrology

Note 1: The coursework program will not be offered if enrolment is less than 6 students.
Faculty of Engineering

Note 2: Not all subjects available in any one year.

Master of Engineering Practice in Environmental Engineering

Candidates enrol in ENGG940 (12 cp) plus three core and three elective subjects. Candidates would normally be expected to have a Bachelor degree in Environmental Engineering or Civil Engineering, but a Bachelor degree in any engineering discipline or science together with appropriate professional experience may also be accepted.

Core Subjects
ENGG950 Innovation and Design
ENGG951 Engineering Project Management
ENGG952 Engineering Computing
ENGG940 Engineering Dissertation
WBS901 Accounting for Managers

Elective Subjects
ENVI920 Principles of Environmental Engineering
ENVI921 Wastewater Engineering
ENVI922 Water Supply Engineering
ENVI981 Special Topic A
ENVI982 Special Topic B
CIVL904 Highway Materials
CIVL912 Engineering Hydrology
CIVL924 Advanced Studies in Computer Aided Design

Graduate Diploma in Engineering

A candidate who has completed a degree of Bachelor of Engineering and wishes to qualify for the Graduate Diploma in Engineering will enrol in the 48 credit point subject ENVE899, Advanced Topics in Environmental Engineering. Upon satisfactory completion of the subject ENVE899, the candidate is eligible for the award of the Graduate Diploma in Engineering. A person who is awarded the Graduate Diploma in Engineering and who subsequently satisfies the requirements for award of the degree of Honours Master of Engineering is deemed to have surrendered the testamur and associated rights for the graduate Diploma prior to receiving the Honours Master degree.

Materials Engineering

Courses Offered
The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Engineering by Coursework or Research
- Master of Engineering Practice in Materials Engineering
- Master of Engineering Practice in Materials Welding and Joining
- Master of Engineering Practice in Steel Processing and Products

Postgraduate Programs
- Advanced Engineering Materials
- Materials Processing
- Materials Engineering
- Materials Welding and Joining
- Metallurgy
- Steel Processing and Products

Current Research Areas
The following areas of research are available to candidates undertaking the Honours Master of Engineering degree by research and the Doctor of Philosophy degree:

- Hot deformation of high strength low alloy steels
- High temperature behaviour of engineering materials
- Development of structural steels
- Electron metallography of precipitates in ferrous alloys
- Electron microscopy of intermetallics
- Development of structures in metals by recrystallization
- Crystallographic and metallographic properties of shape memory alloys
- Development of galvanising alloys
- Structures and properties of welded metals
- Adhesive bonding
- Brazing and diffusion bonding
- Fusion welding of coated steels
- Microwave joining of metals and ceramics
- Surface engineering of materials
- Wear and surface property testing
- Ceramic coatings
- Physical vapour deposition processing of metals
- Ion implantation
- Microwave processing of materials
Course Structures

Solidification
Magnetic properties of rapidly solidified materials
Structures and properties of metallic glasses
Structures and properties of ceramic materials
Structures and properties of composite materials
Structures and properties of nanocrystalline materials
High temperature superconductors
Battery and fuel cell materials
Molecular structure and properties of polymeric and polymer-metal interphases
Bath smelting technology
Slag cleaning
Treatment of steelworks dust
Erosion/corrosion of smelter refractories
Characterisation of welding fumes
Texture analysis of materials
High energy ball milling

Doctor of Philosophy

Candidates for this degree enrol in MATL957 PhD Major Thesis.

Honours Master of Engineering

A candidate who has a degree of Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification, will enrol in subjects with a value of not less than 48 credit points. Students may undertake either:

i) the 48 credit point subject MATL955 Major Thesis;

or

ii) the 24 credit point subject ENGG945 dissertation plus four elective subjects, each with a value of 6 cp from one of the programs listed below. For any particular year the availability of subjects offered will be determined by student numbers and demand.

Advanced Engineering Materials program

Electives
MATL901 Special Topic in Materials A
MATL903 Recent Developments in Materials
MATL905 Metallic Materials
MATL906 Ceramics, Glasses and Refractories
MATL907 Polymeric Materials
MATL972 Materials Design

Materials Processing program

Electives
MATL901 Special Topic in Materials A
MATL902 Special Topic in Materials B
MATL903 Recent Developments in Materials
MATL921 Formability of Sheet Material
MATL932 Surface Engineering of Materials
MATL937 Process Metallurgy

Metallurgy program

Electives
MATL901 Special Topic in Materials A
MATL903 Recent Developments in Materials
MATL905 Metallic Materials
MATL911 Mechanical Behaviour of Materials
MATL951 Performance of Materials A
MATL952 Performance of Materials B
MATL971 Prescription and Selection of Materials

Master of Engineering Practice in Materials Engineering

A candidate who has completed a relevant major study, or approved equivalent work, either as part of, or in addition to, a bachelor degree will enrol in approved subjects having a value of not less than 48 cp.

Core
ENGG950 Innovation and Design
ENGG951 Engineering Project Management
ENGG952 Engineering Computing or
WBS901 Accounting for Managers
ENGG940 Dissertation

Plus 3 elective subjects from the following
MATL901 Special Topics in Materials A
MATL902 Special Topics in Materials B
MATL903 Recent Developments in Materials
MATL951 Performance of Materials A
MATL952 Performance of Materials B

Note: Not all elective subjects will be available in any one year.
Master of Engineering Practice in Materials Welding and Joining

This course is offered on a flexible delivery, with the normal entry requirement being a Bachelor of Engineering or Bachelor of Science degree.

The course consists of a set of 16 modules (ENGG 901-918) with a total of 48 cp, together with a 12cp specialisation (ENGG 919). The 3 credit point modules are presented in the form of 12 text based distance delivery subjects and intensive one week subjects which:

a) are offered over two sessions;

b) are assessed by quizzes, assignments, reports on practical work and examination, as relevant to the particular module.

In addition to the self study texts a web based tutor is used.

Approval of the Professor of Materials Welding and Joining will be required for the subject matter of ENGG 919 - Dissertation

ENGG901 Introduction to Welding and Joining Processes
ENGG902 Fusion Welding Processes Part 1
ENGG903 Other Joining Processes
ENGG904 Fusion Welding Processes Part 2
ENGG905 Behaviour of Metals during Welding - Part 1
ENGG906 Behaviour of Metals during Welding - Part 2
ENGG907 Welding of Non-Ferrous Metals and Non-Metals
ENGG908 Construction and Design - Part 1
ENGG909 Construction and Design - Part 2
ENGG910 Fabrication/Applications Engineering - Part 1
ENGG911 Fabrication/Applications Engineering - Part 2
ENGG912 Welding Practical - Part 1
ENGG913 Welding Practical - Part 2
ENGG914 Fabrication/Applications Engineering Part 3
ENGG915 Design on Structures
ENGG916 Fabrication Case Studies
ENGG917 Processes, Equipment, Automation
ENGG918 Weldability and Wear
ENGG919 Dissertation

Master Of Engineering Practice in Steel Processing and Products

Candidates would normally be expected to have a Bachelor Degree in Materials or Mechanical Engineering, but a bachelor degree in another appropriate field of engineering or science together with appropriate professional experience would also be accepted.

Core Subjects:
ENGG930 Preliminary Topics in Steel Processing and Products
WBSS950 Quality in Management
ENGG931 Steel Products and their Production
MGMT933 Management of Process Innovation 1
MECH970 Maintenance Management

plus three electives from the following list:
ENGG932 Rolling Technology
ENGG933 Coating Technology
ENGG934 Steelmaking
ENGG935 Casting
MATL906 Ceramic Materials
ENGG936 Control of Steel Processing
MGMT915 Management of Change
MGMT934 Management of Process Innovation 2

Graduate Diploma in Engineering

A candidate who has completed a degree of Bachelor of Engineering and

a) who has not qualified for any class of Honours,

or

b) who wishes to qualify for the Graduate Diploma in Engineering, will enrol in the 48 credit point subject MATL899/Advanced Topics in Materials.

Upon satisfactory completion of the subject MATL899 the candidate is eligible for award of the Graduate Diploma in Engineering. A person who is awarded the Graduate Diploma in Engineering and subsequently satisfies requirements for award of the degree of Honours Master of Engineering is deemed to have surrendered the testamur and associated rights for the Graduate Diploma prior to receiving the Honours Master of Engineering degree.

Graduate Diploma in Materials Welding and Joining

This course is one year full-time in duration, or may be taken part-time on a module by module basis. The normal entry requirement is a Bachelor of Engineering degree or a Bachelor of Science or an Associate Diploma plus appropriate industrial experience.

There are 16 modules. Refer to Master of Engineering Practice in Materials Welding and Joining.
Course Structures

Mechanical Engineering

Courses Offered
The following courses are available:

Doctor of Philosophy
Honours Master of Engineering (Mechanical Engineering)
Master of Engineering Practice in Bulk Solids and Particulate Technologies
Master of Engineering Practice in Mechanical Engineering
Master of Engineering Practice in Mechatronics
Graduate Diploma in Engineering

Postgraduate Programs
Advanced Manufacturing
Applied Mechanics
Bulk Solids and Particulate Technologies
Maintenance Management
Materials Handling

Current Research Areas
The following research areas are available to candidates undertaking the Honours Master of Engineering degree by research and the Doctor of Philosophy degree.

Applied Mechanics and Heat Transfer:
Bio-mechanics
Cavitation and bubble dynamics
Computational fluid mechanics
Finite element analysis
Thermal modelling of buildings
Heat transfer
Mechanical engineering design
New algorithms in robotics
Microwave applications
Rolling mill technology
Solar thermal system analysis and design
Solid mechanics of elastic and magneto-elastic bodies
System identification and control
Tribology - bearings, friction and wear

Manufacturing Technology and Management:
Automated QC and reliability engineering
Automated welding and joining
Chip control in automated manufacture
Disassembly technology
Expert/knowledge system in automated machining
Intelligent manufacturing systems
Monitoring/diagnosis of manufacturing processes and machinery conditions
Integrated CAD/CAM
Maintenance management

Materials Handling:
Bulk solids handling and prediction of bin wall loads and flowrates
Energy technology
Pneumatic and hydraulic conveying

Doctor of Philosophy
Candidates for this degree enrol in MECH957 PhD Major Thesis (48 cp).

Honours Master Of Engineering (Mechanical Engineering)
A candidate who has a Bachelor of Engineering with Honours Class III or higher from this University, or an approved equivalent qualification, will enrol in Postgraduate subjects with a total minimum value of 48 cp.

Approved programs comprise:

i) the subject MECH955 ME Major Thesis, for full-time and part-time candidates,

or

ii) the subject ENGG945 Dissertation plus 24 cp of coursework according to one of the 3 approved programs: Advanced Manufacturing; Applied Mechanics; Materials Handling Systems.
Advanced Manufacturing program

Electives:

- MECH1919 Advanced Topics in Mechanical Engineering 1
- MECH1929 Advanced Topics in Mechanical Engineering 2
- MECH1934 Advanced Manufacturing Processes
- MECH1935 Integrated Manufacturing Systems
- MECH1939 Advanced Topics in Mechanical Engineering 3
- MECH1949 Advanced Computer Control of Machines and Processes
- MECH1950 Advanced Robotics

Applied Mechanics program

Electives:

- MECH1903 Biomechanical Engineering
- MECH1918 Sustainable Energy in Buildings
- MECH1919 Advanced Topics in Mechanical Engineering 1
- MECH1920 Numerical Methods in Mechanical Engineering
- MECH1924 Continuum Mechanics
- MECH1925 Advanced Fluid Power
- MECH1926 Applied Fluid Mechanics
- MECH1928 Finite Element Techniques in Mechanical Engineering
- MECH1929 Advanced Topics in Mechanical Engineering 2
- MECH1930 Mechanical Vibration and Condition Monitoring
- MECH1931 Friction, Lubrication and Wear
- MECH1933 Solar Energy
- MECH1939 Advanced Topics in Mechanical Engineering 3
- MECH1969 Process Design and Analysis
- MECH1979 Sustainable Transport and Engine Technologies

Materials Handling Systems program

Core:

- MECH1913 Pneumatic Transport of Bulk Solids
- MECH1983 Bulk Solids Handling (Storage and Flow)

Electives:

- MECH1914 Freight Pipelines
- MECH1919 Advanced Topics in Mechanical Engineering 1
- MECH1927 Physical Processing of Bulk Solids
- MECH1929 Advanced Topics in Mechanical Engineering 2
- MECH1931 Friction, Lubrication and Wear
- MECH1939 Advanced Topics in Mechanical Engineering 3

NOTE: Not all subjects available in 2001. Please check with the Director of Studies.

Master Of Engineering Practice in Bulk Solids and Particulate Technologies

The normal entry requirement is a Bachelor of Engineering degree, or a Bachelor of Science degree, or an Associate Diploma in a relevant field, plus appropriate industrial experience. The program is offered on a modular basis over 2 years (ie. part-time) and is a joint degree with the University of Newcastle. This is a full fee paying course.

A candidate will be awarded a Master of Engineering Practice (Bulk Solids and Particulate Technologies) on successful completion of 48 cp comprising:

Core

- MECH1983 Bulk Solids Handling (Storage and Flow)
- MECH1995 Bulk Solids Handling (Systems and Design)
- MECH1990 Project in Bulk Solids and Particulate Technologies

plus four subjects from the following list:

- MECH1913 Pneumatic Transport of Bulk Solids
- MECH1914 Freight Pipelines
- MECH1927 Physical Processing of Bulk Solids
- MECH1982 Bulk Solids Characterisation and Particulate Mechanics
- MECH1984 Belt Conveying
- MECH1985 Dust and Fume Systems
- MECH1986 Instrumentation and Control Systems for Bulk Solids
- MECH1987 Advanced Topics in Bulk Solids and Particulate Technologies 1
- MECH1988 Advanced Topics in Bulk Solids and Particulate Technologies 2
- MECH1989 Advanced Topics in Bulk Solids and Particulate Technologies 3
- MECH1993 Maintenance Management of Bulk Handling Systems
- MECH1994 Mechanical Handling Systems

Apart from MECH1990, each subject is run on a modular basis comprising 5 days of lectures, laboratory demonstrations, case studies and problem solving, followed by assessable tasks.
**Course Structures**

**Master of Engineering Practice in Mechanical Engineering**

This course will be offered to graduates who have obtained a level equivalent to the B1 at the University of Wollongong. The minimum duration of the full-time course will be one year, i.e. 48 cp.

**Core**

- ENGG940 Dissertation
- ENGG950 Innovation and Design
- ENGG951 Engineering Project Management
- ENGG952 Engineering Computing

or

- WBS901 Accounting for Managers

**Stream 1: Thermofluid Mechanics**

- MECH924 Continuum Mechanics
- MECH930 Mechanical Vibration and Condition Monitoring

**Stream 2: Engineering Dynamics and Mechanics of Solids**

- MECH926 Applied Fluid Mechanics

**Electives:**

- MECI1918 Sustainable Energy in Buildings
- MECI1931 Friction, Lubrication and Wear
- MECI1949 Advanced Computer Control of Machines and Processes
- MECI1950 Advanced Robotics
- MECI1969 Process Design and Analysis
- MECI1979 Sustainable Transport and Engine Technologies

Note:

i) subject to approval, electives may be selected from any available 900 level subjects in the Faculty; and

ii) not all of these electives will be offered in any one year.

**Master of Engineering Practice (Mechatronics)**

This course is offered jointly by the Department of Mechanical Engineering and the School of Electrical, Computer and Telecommunications Engineering, and is available to graduates with four year bachelor of engineering degrees, or the equivalent, in any engineering discipline, including civil, mining, mechanical, production, industrial, materials etc.

This course can be completed in one year of full-time study (48 credit points) or equivalent part-time study.

**Core:**

- ENGG945 Dissertation

or

- ECTE953 Report
- ENGG950 Innovation and Design
- ENGG951 Engineering Project Management
- ENGG952 Engineering Computing or
- WBS901 Accounting for Managers

**Electives:**

- ECTE971 Robotics Manipulators
- ECTE972 Robotics Sensory Control
- ECTE941 Intelligent Control
- ECTE942 Computer Controlled Systems
- ECTE955 Advanced Laboratory
- MECI1949 Advanced Computer Control of Machines and Processes

Note: not all of these electives will be offered in any one year.

**Graduate Diploma in Engineering**

A candidate who has completed a degree of Bachelor of Engineering; and

a) who has not qualified for any class of Honours;

or

b) who wishes to qualify for the Graduate Diploma in Engineering, will enrol in the 48 cp subject MECI1899. Advanced Topics in Engineering.

Upon satisfactory completion of the subject MECI1899, the candidate is eligible for award of the Graduate Diploma in Engineering.

A person who is awarded the Graduate Diploma in Engineering and subsequently satisfies requirements for award of the degree of Honours Master of Engineering is deemed to have surrendered the testamur and associated rights for the graduate diploma prior to receiving the honours masters degree.

**Mining Engineering**

**Courses Offered**

The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Engineering by Coursework or Research
Graduate Diploma in Engineering

Current Research Areas
The following areas of research are available to candidates undertaking the Honours Master of Engineering degree by research and the Doctor of Philosophy degree:

- Rock mechanics
- Surface mining
- Mine simulation, planning and design
- Mine safety and mine ventilation
- Geostatistics
- Computer applications in mining engineering
- Mine water
- Environmental impact of mining

Doctor of Philosophy
Candidates for this degree enrol in MINE957 PhD Major Thesis.

Honours Master of Engineering
Graduates are offered the following opportunities to conduct research or pursue an advanced course of study in Mining Engineering:

a) The Honours Master of Engineering Degree by Research Thesis. The Honours Master of Engineering Degree by research thesis is intended for those engineers qualified and interested in specific problems. Students enrol in MINE955 ME Major Thesis

b) The Honours Master of Engineering Degree by Combination of Coursework and Research Thesis
This is the normal course for the younger Mining Engineer, which provides him or her training in research and also allows greater depth of understanding in specialist postgraduate areas.

Aims
The programs of study allow the student to combine specialist postgraduate subjects according to his or her undergraduate background with project work. It is intended to strengthen professional training in a context of problems and policies which reach beyond the conventionally recognised boundaries of single disciplines. Elective postgraduate subjects and introduction to disciplines in which the student has no experience, are available.

The program for the Honours Master of Engineering Degree has two explicit aims:

i) Specialist Training. Postgraduate training is provided for students with appropriate backgrounds, to enable professional development in their particular discipline. This is achieved by providing access to existing postgraduate courses already offered;

ii) Interdisciplinary Training. An interdisciplinary framework is provided, within which postgraduate training in Mining Engineering may be integrated with other disciplines. This is achieved by the provisions of limited access to concentrated study in other disciplines.

Entry Requirements
A candidate who has a Bachelor of Engineering with Honours at Class III or higher from this University, or an approved equivalent qualification, will enrol in Postgraduate subjects with a total value of not less than 48 credit points.

Students may undertake either

i) the 48 credit point subject MINE955 Major Thesis;

or

ii) the 24 credit point subject ENGG945 Dissertation plus four subjects from the list of electives below

Electives
MINE901 Transportation of Mineral and Personnel
MINE902 Advanced Studies in Mining Engineering
MINE903 Simulation of Underground Mining Operations and Problems
MINE904 Rock Mechanics and Ground Control
MINE905 Environmental Control in Mines
MINE906 Mining Engineering Techniques
MINE908 Fires, Explosions and Mine Gases
MINE909 Mine Subsidence
MINE953 Mine Water - Origin, Inflow Predictions and Control

Graduate Diploma in Engineering
A candidate who has completed a degree of Bachelor of Engineering and

(i) who has not qualified for any class of Honours, or

(ii) who wishes to qualify for the Graduate Diploma in Engineering will enrol in the 48 credit point subject MINE899 Advanced Topics in Engineering. Upon satisfactory completion of the subject MINE899 the candidate is eligible for award of the Graduate Diploma in Engineering (Mining). A person who is awarded the Graduate Diploma in Engineering and who subsequently satisfied the requirements for the award of the degree of Honours Master of Engineering is deemed to have surrendered the testamur and associated rights for the Graduate Diploma prior to receiving the Honours Masters degree.
CIVIL ENGINEERING

CIVL899 Advanced Topics in Engineering  48 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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; higheway engineering; urban investigations; structural dynamics; continuum mechanics.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please check with Faculty.
Text books: n/a
Session contact campus delivery method
Annual n/a Wollongong On Campus

CIVL901 Project  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
n/a

CIVL902 Reliability in Geotechnical Engineering  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Conventional safety factor and its limitations in representing safety or reliability; geotechnical predictions and associated degree of confidence; variability of soil and rock deposits; uncertainties in material parameters, geotechnical models and failure mechanisms; statistical data and probabilistic approaches; failure probabilistic approaches compared, reliability of geotechnical systems; recent developments in probability of failure propagation and initiation; most probable extent of embankment or slope failure.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.
Text books: n/a
Session contact campus delivery method
n/a

CIVL903 Concrete Technology  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Mix design theories; design of high strength and lightweight concrete; elastic behaviour; strength, creep, shrinkage; significance of tests and properties of constituent materials; analysis of results; non-destructive tests; special concrete applications.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.
Text books: n/a
Session contact campus delivery method
Annual n/a

CIVL904 Highway Materials  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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. Pavement design and evaluation - a review of current Australian, European and North American Practice.
Subject Objectives: n/a
Additional Information: not available in 2001
Text books: n/a
Session contact campus delivery method
Annual n/a

CIVL905 Transportation Engineering  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.
Text books: n/a
Session contact campus delivery method
Annual n/a
CIVL907  Civil Engineering Computations  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a

Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.

Text books: n/a

Session contact campus delivery hours method
n/a

CIVL908  Advanced Soil Mechanics  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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 practicing soil problems of stability and settlement; the analysis and performance of slopes, the factor of safety concept; stress analysis approaches; introduction to soil dynamics.

Subject Objectives: n/a

Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.

Text books: n/a

Session contact campus delivery hours method
n/a

CIVL909  Advanced Foundation Engineering  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: General principles concerning selection of foundation type on different types of soil, 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.

Subject Objectives: n/a

Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.

Text books: n/a

Session contact campus delivery hours method
n/a

CIVL910  Vibration of Structures  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Static and dynamic stabilities of continuous systems. Analyses of lumped mass systems with various degrees of freedom. Vibration of beams and other continuous structures. Modal analysis of discrete and continuous systems. Vibrations of buildings and bridges. Earthquake, blast and wind loadings.

Subject Objectives: n/a

Additional Information: not available in 2001

Text books: n/a

Session contact campus delivery hours method
n/a

CIVL911  Finite Elements Methods  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a

Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.

Text books: n/a

Session contact campus delivery hours method
n/a

CIVL912  Engineering Hydrology  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Storm models, storm maximisation, extreme precipitation estimates, intensity-frequency duration analysis, design storms; rainfall losses, infiltration models, design losses; advanced unit-process graphs; hydrograph theory, synthetic unit hydrographs; hydrograph synthesis by runoff - routing; design floods for rural and urban catchments.

Subject Objectives: n/a

Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.

Text books: n/a

Session contact campus delivery hours method
n/a

CIVL914  Analysis and Design of Bridge Structures  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Types of bridges; similarities between bridges and some plate- and shell-type building structures; loadings; analytical methods: load distribution technique, orthotropic plate theory, grillage and space frame methods, finite element method; computer program suites; design codes; design of super-structures; design of foundations.
Subject Descriptions

**CIVL916 Research Topics in Civil Engineering** 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **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.
- **Subject Objectives:** n/a
- **Additional Information:** This subject may not be offered in 2001, please check with the course coordinator before enrolling.
- **Text books:** n/a
- **Session**
  - **contact:** n/a
  - **hours:** n/a
  - **campus:** n/a
  - **delivery:** n/a
  - **method:** n/a

**CIVL918 Steel Structures** 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** Steel behaviour. Hot rolled and cold-formed sections. Behaviour of hollow sections. Plastic design. Local and lateral buckling. Elastic and inelastic buckling of elements and frames.
- **Subject Objectives:** n/a
- **Additional Information:** This subject may not be offered in 2000, please check with the course coordinator before enrolling.
- **Text books:** n/a
- **Session**
  - **contact:** n/a
  - **hours:** n/a
  - **campus:** n/a
  - **delivery:** n/a
  - **method:** n/a

**CIVL919 Earth Structures** 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** Location of earth structures such as embankments and earth dams; basic design considerations; analytical procedures including limit equilibrium methods and stress analysis; soft ground tunnelling; problems associated with earth structures including settlement cracking and subsidence; prevention and control of subsurface erosion and piping; risk studies; maintenance and improvement of earth structures.
- **Subject Objectives:** n/a
- **Additional Information:** This subject may not be offered in 2000, please check with the course coordinator before enrolling.
- **Text books:** n/a
- **Session**
  - **contact:** n/a
  - **hours:** n/a
  - **campus:** n/a
  - **delivery:** n/a
  - **method:** n/a

**CIVL920 Civil Engineering Hydraulics** 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **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. Fluid wave routing; hydraulics of spillways; hydraulics of bridges and culverts; retarding basin hydraulics; urban stormwater drainage design; sediment transport in open channel flow.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session**
  - **contact:** n/a
  - **hours:** n/a
  - **campus:** n/a
  - **delivery:** n/a
  - **method:** n/a

**CIVL923 Advanced Reinforced Concrete** 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **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.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session**
  - **contact:** n/a
  - **hours:** n/a
  - **campus:** n/a
  - **delivery:** n/a
  - **method:** n/a

**CIVL924 Advanced Studies in Computer Aided Design and Draughting** 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** Fundamentals of CADD; the workstation; hardware and software for CADD configurations; operation and facilities of CADD systems; AutoCAD, MeggaCAD, Prodesign II and other Micro-CAD systems; LISP language; programming with AutoLISP; customising AutoCAD, creating new commands, screen menus and tablet menus; CADD data-base, bill of materials; structural detailing; CADD management.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session**
  - **contact:** n/a
  - **hours:** n/a
  - **campus:** n/a
  - **delivery:** n/a
  - **method:** n/a

**CIVL955 Me Major Thesis** 48 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Subject Description:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session**
  - **contact:** n/a
  - **hours:** n/a
  - **campus:** Wollongong
  - **delivery:** On Campus
  - **method:** n/a
CIVL957  PhD Major Thesis  48 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery
hours method
Annual n/a Wollongong On Campus

CIVL980  Advanced Computer Applications  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The subject content will comprise a selection from the following topics: 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, MATHEMATICA, NASTRAN, dBASE V and similar computer packages, C++ programming, and artificial intelligence applications.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery
hours method
n/a

CIVL981  Special Topic A  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Specialist topic in civil engineering offered by members of staff, professional engineers or visitors to the Faculty.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please check with the Faculty.
Text books: n/a
Session contact campus delivery
hours method
Autumn n/a Wollongong On Campus

CIVL982  Special Topic B  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Specialist topic in civil engineering offered by members of staff, professional engineers or visitors to the Department.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please check with the Faculty.
Text books: n/a
Session contact campus delivery
hours method
n/a
PHYS910  Advanced Project in Physics A  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Satisfactory operation and written descriptions of completed experiments.
Subject Description: The student will be required to design and construct several self-contained experiments at the level of those encountered in PHYS309 Advanced Experimental Physics. The number and type shall be determined by two members of the academic staff of the Department of Physics.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.
Text books: n/a
Session  contact  campus  delivery  method
Autumn  n/a  Wollongong  On Campus

PHYS921  Applied Physics Report  18 cp
Pre-requisites: As for SOC203
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Assignmend problems, tests and sessional examinations
Subject Description: Crystal Symmetry; Groups of Linear Transformation; Abstract Groups; Theory of Group Representations; Group of the Schredinger 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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session  contact  campus  delivery  method
n/a

PHYS946  Advanced Solid State Physics  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Assignmend problems, tests and sessional examinations
Subject Description: Crystal Symmetry; Groups of Linear Transformation; Abstract Groups; Theory of Group Representations; Group of the Schredinger 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.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.
Text books: n/a
Session  contact  campus  delivery  method
Spring  n/a  Wollongong  On Campus
Autumn  n/a  Wollongong  On Campus

PHYS947  Special Topic in Physics A  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Project Work and Seminar
Subject Description: A special topic to be selected from any area of Physics. The selection to be made by the Departmental Head in consultation with the Departmental Assessment Committee.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.
Text books: n/a
Session  contact  campus  delivery  method
Autumn  n/a  Wollongong  On Campus

PHYS948  The Physics of Imaging  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.
Text books: n/a
Session  contact  campus  delivery  method
Autumn  n/a  Wollongong  On Campus

PHYS951  Medical Physics Research Project  18 cp
Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: Substantial report 90% and Seminar 10%
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session  contact  campus  delivery  method
Annual  n/a  Wollongong  On Campus

PHYS952  Radiation and Radiotherapy Physics  8 cp
Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: Written examinations 40%, assignments 20% and practical 40%
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 Electronics and data acquisition system, Nuclear Reactions and Production of Radioisotopes, Neutron Physics, Dosimetry of photons, electrons and neutrons, Solid State Dosimetry, TLD and film dosimetry, Introduction to Radiation Theraphy, Medical
PHYS953 Medical Imaging and Nuclear Medicine  8 cp

Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a

Assessment: Written examinations 40%, assignments 40% presentation 20% and practical pass/fail. Students are required to pass the practical

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, solid state detectors and CCDs, the hardware of image processing, film digitisers and plate scanners, software techniques, histograms, enhancements, convolution, edge enhancement, Fourier techniques and opurtation synthesis, nuclear magnetic resonances, layout 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,

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a
Session contact hours campus delivery method
Annual n/a Wollongong On Campus

PHYS954 Radiobiology and Radiation Protection  8 cp

Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a

Assessment: Written examinations 40%, assignments 20% and practical 40%.

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.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a
Session contact hours campus delivery method
Annual n/a Wollongong On Campus

PHYS960 Advanced Project in Physics B  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Satisfactory operation and written descriptions of completed experiments.

Subject Description: descriptions of completed experiments.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

Text books: n/a
Session contact hours campus delivery method
Spring 42 hours Wollongong On Campus

PHYS990 Applied Physics Project  24 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Minor Thesis

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 Department Head.

Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.

Text books: n/a
Session contact hours campus delivery method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus
Annual n/a Wollongong On Campus

PHYS997 Special Topic in Physics B  6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Project work and Seminar

Subject Description: A special topic to be selected from any area of physics. The selection to be made by the Departmental Head in consultation with the Departmental Assessment Committee.

Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.

Text books: n/a
Session contact hours campus delivery method
Spring 28 Wollongong On Campus

PHYS999 Major Thesis  48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: n/a

Subject Description: The major thesis takes the form of a supervised research project on an approved topic.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a
Session contact hours campus delivery method
Annual n/a Wollongong On Campus
ENVE899 Advanced Topics in Environmental Engineering 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: One or more advanced topics taken from the following: computer aided analysis and design; computer methods; environmental hydraulics; pollution control; erosion and land rehabilitation; waste management; environmental impact assessment; environmental modelling processes; environmental geotechnology; transport and the environment; ground and mine-water.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a
Session contact campus delivery hours method
Annual n/a Wollongong On Campus

ENVE901 Project 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

Text books: n/a
Session contact campus delivery hours method
n/a

ENVE916 Research Topics in Environmental Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Topics will be selected from the areas of environmental engineering in which staff members are engaged in research.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a
Session contact campus delivery hours method
n/a

ENVE920 Principles of Environmental Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Collection and treatment of waste water; physical, chemical and biological treatment processes; measurement of pollutants; industrial and solid waste disposal; air pollution; noise pollution; environmental impact statements.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a
Session contact campus delivery hours method
n/a

ENVE921 Wastewater Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Wastewater collection; sewer and storm drainage design; chemistry and microbiology of wastewater; effect on environment; physical, chemical and biological treatment processes and design facilities; sludge treatment and disposal; wastewater reuse; advanced wastewater treatment; treatment plant design.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a
Session contact campus delivery hours method
n/a

ENVE922 Water Supply Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Water quality; water supply sources and demand; chemistry and microbiology of water; aeration and oxygen transfer; theory of coagulation, flocculation, sedimentation and filtration; disinfection; water softening, desalination; design of mains and service pipes; distribution of water.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a
Session contact campus delivery hours method
n/a

ENVE923 Industrial Waste Engineering and Cleaner Production 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a
ENVE924  Solid and Hazardous Waste Management  

6 cp

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: Two areas are covered: Generation, characterisation, collection and minimisation of solid waste; and classification, treatment and final disposal of hazardous waste.

Subject Objectives: n/a  

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a  

ENVE955  ME Major Thesis  

48 cp

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: n/a  
Subject Objectives: n/a  

Additional Information: n/a  

Text books: n/a  

Session contact campus delivery hours method  
n/a  

ENVE957  PhD Major Thesis  

48 cp

Pre-requisites: 24 cp  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: n/a  
Subject Objectives: n/a  

Additional Information: n/a  

Text books: n/a  

Session contact campus delivery hours method  
n/a  

Annual n/a Wollongong On Campus  

ENVE981  Special Topic A  

6 cp

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: Specialist topic in environmental engineering offered by members of staff, professional engineers or visitors to the department.

Subject Objectives: n/a  

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a  

Session contact campus delivery hours method  
n/a  

ENVE982  Special Topic B  

6 cp

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: Specialist topic in environmental engineering offered by members of staff, professional engineers or visitors to the department.

Subject Objectives: n/a  

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a  

Session contact campus delivery hours method  
n/a  

ENVE985  Environmental Engineering  

8 cp

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

Subject Description: n/a  

Additional Information: n/a  

Text books: n/a  

Session contact campus delivery hours method  

Autumn n/a Wollongong On Campus  

209
ENGG901 Introduction to Welding and Joining Processes  
3 cp
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: Assignments and examination.

Subject Description: Classification of welding processes, applications; typical problems, health and safety issues. Introduction to fusion and pressure welding processes; adhesive bonding, soldering and brazing; joining process physics. Review of basic electrics and electronics; arc characteristics and control. Introduction to behaviour of metals during welding, mechanical testing and NDT. Basic joint design and testing. Quality assurance of joining techniques. Introduction to reclamation repair by welding, advanced welding technology and fracture mechanics.

Subject Objectives: Recognise the importance of joining processes; understand the operating principles, advantages and limitations of common joining processes; develop a basic understanding of the response of materials to joining; understand the principles of joint design and economics; describe the common techniques of quality control applied to joining; understand the procedure for welding repair; and appreciate recent developments in joining technology.

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conyngham 02 4221-3122 http://www.crcws.com.au

Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong Flexible

ENGG902 Fusion Welding Processes Part 1  
3 cp
Pre-requisites: ENGG901  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a

Subject Description: Introduction to gas shielded welding; process principles of GTAW welding; shielding gases; effect of gases on arc characteristics; filler metals; standards; typical problems, health and safety issues. Tungsten inert gas (TIG) welding; power sources; process factors; joint design; specifications; applications and typical problems; health and safety factors. Plasma, electron beam, laser welding and cutting. Advanced TIG welding.

Subject Objectives: Understand the operating principles of GTAW, Plasma, ESW and Laser Process; know how to control the process; be able to diagnose faults; be able to select the appropriate process and technique for a given application; and know the safety issues associated with each process.

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conyngham 02 4221-3122 http://www.crcws.com.au

Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong Flexible

ENGG903 Other Joining Processes  
3 cp
Pre-requisites: ENGG901 and ENGG902  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a

Subject Description: Cold pressure, ultrasonic and explosive welding and diffusion bonding; stud welding and mechanical fasteners; resistance welding, weld-bonding, ERW and flash butt welding; oxy-fuel welding; cutting and other edge preparation processes; friction welding and friction stir welding; MIAB welding; brazing; soldering; and pre-heating, fuel gas, electric equipment and techniques.

Subject Objectives: Understand the operating principles of 'other' joining processes not covered in ENGG902 and ENGG904; know how to control the process; be able to diagnose faults; be able to select the appropriate process and technique for a given application; and know the safety issues associated with each process.

Additional Information: Please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong Flexible

ENGG904 Fusion Welding Processes Part 2  
3 cp
Pre-requisites: Nil  
Co-requisites: Nil  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a

Subject Description: Gas metal arc welding (GMAW); metal inert gas (MIG) welding; metal active gas (MAG) welding; power sources; process factors; special techniques; joint design; specifications; applications; typical problems; health and safety issues. Metal transfer. Manual metal arc (MMA) welding; submerged arc welding (SAW); power sources; process factors; joint design; specifications; applications; typical problems; health and safety issues. Advanced GMAW, FCAW. Electrosol welding; process factors; applications and limitations.

Subject Objectives: Understand the operating principles of MMAW, SAW, GMAW, FCAW, ESW and EGW; know how to control the process; be able to diagnose faults; be able to select the appropriate process and technique for a given application; and know the safety issues associated with each process.

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conyngham 02 4221-3122 http://www.crcws.com.au

Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong On Campus

ENGG905 Behaviour of Metals During Welding - Part 1  
3 cp
Pre-requisites: ENGG901  
Co-requisites: Nil  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a

Subject Description: Structures and properties of metals; alloys and phase diagrams; iron-carbon alloys; heat-treatment of steels; microstructures of welded joints; embrittlement and cracking in steels. Structural steels; fine grained steels; thermomechanically processed steels.

Subject Objectives: Understand the atomic bonding difference between a metal and a non-metal, and the relationship between a metals properties and its crystallographic structure, utilise binary phase equilibrium diagrams to understand the structure and melting points of metallic alloys and simple heat treatment processes; to analyze heat flow and utilise cooling diagrams to predict the structure of the weld and heat affected zone after welding; discuss the origins of typical welding defects
| Course | Code | Title | Hours | Contact Hours | Campus | Delivery Method | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | 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Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requisites | Co-requisites | Restrictions | Exclusions | Co-requisites | Pre-requiries: ENGG908
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Behaviour of welded structures under load; design of welded structures for static loading; effects of dynamic loading; thermodynamically loaded welded structures; reinforced steel welded joints; design of welded aluminium alloy structures.

Subject Objectives: n/a

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conynham 02 4221-3122 http://www.crcws.com.au

Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong Flexible

ENGG909 Construction and Design - Part 2 3 cp

Pre-requisites: ENGG905
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conynham 02 4221-3122 http://www.crcws.com.au

Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong Flexible

ENGG908 Construction and Design - Part 1 3 cp

Pre-requisites: ENGG907
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Fundamentals of the strength of materials; basics of weld design; design principles of welded structures; joint design; fracture mechanics.

Subject Objectives: n/a

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conynham 02 4221-3122 http://www.crcws.com.au

Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong Flexible

ENGG907 Welding of Non Ferrous Metals and Non Metals 3 cp

Pre-requisites: ENGG906
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Copper and copper-based alloys; aluminium and aluminium-based alloys; joining dissimilar alloys; structures and properties of non-metallic materials and composites; joining of polymers; joining of polymers to metals; joining of ceramics; ceramic-metal joints; methods used for joining of composites and composites to other materials.

Subject Objectives: n/a

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conynham 02 4221-3122 http://www.crcws.com.au

Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong Flexible

ENGG911 Fabrication/Applications Engineering - Part2 3 cp

Pre-requisites: ENGG910
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Welding stresses and distortion, control of welding restraint; stress relieving of weldments. Repair welding; fitness for purpose considerations; economic aspects of weld fabrication; economic considerations of high productivity welding; automatic and robotic welding.

Subject Objectives: n/a

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conynham 02 4221-3122 http://www.crcws.com.au

Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong Flexible

ENGG910 Fabrication/Applications Engineering - Part 1 3 cp

Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Cutting and other edge preparation processes. Quality assurance in welded structures; quality control during manufacture; total quality management. Plant facilities; welding jigs and fixtures. Fume and radiation hazards from welding; health and safety issues.

Subject Objectives: n/a

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conynham 02 4221-3122 http://www.crcws.com.au

Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong Flexible
Autumn n/a Wollongong Flexible

Faculty of Engineering
ENGG914 Fabrication/Applications Engineering - Part 3 3 cp

Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Practical exercises in weld defect testing using ultrasonics and radiography. Metallurgical examination of commercially important metals and alloys, and the microstructures of steel and aluminum weldments. Measurement control and recording.

ENGG915 Design of Structures 3 cp

Pre-requisites: ENGG908 and ENGG909
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Objectives: Design case studies.

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conynham 02 4221-3122 http://www.crcws.com.au

ENGG916 Fabrication Case Studies 3 cp

Pre-requisites: ENGG910, ENGG911, ENGG914
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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

Subject Objectives: n/a

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conynham 02 4221-3122 http://www.crcws.com.au

ENGG917 Processes, Equipment, Automation 3 cp

Pre-requisites: ENGG901, ENGG902, ENGG903, ENGG904
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Mechanisation and robotics, case studies and tutorials.

Subject Objectives: n/a

ENGG918 Weldability and Wear 3 cp

Pre-requisites: ENGG905, ENGG906, ENGG907
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Wear, hardfacing, metallurgy, surface, mechanical testing.

Additional Information: For further information, please contact Professor John Norrish 02 4221-3358 or Mr Max Conynham 02 4221-3122 http://www.crcws.com.au

ENGG919 Dissertation 12 cp

Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A thesis is required based on project work and/or an interpretative literature review on a topic.

Additional Information: n/a

Text books: n/a

MATL899 Advanced Topics in Materials 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A program, approved by the Head of Department, of project work and studies of advanced topics in materials selected from the fields of processing, physical and mechanical behaviour, microstructure and observational methods.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject not may be offered in 2001. Please check with Faculty. Please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conynham on (02) 4221-3122.

Text books: n/a

MATL901 Special Topic in Materials 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: n/a

Text books: n/a
Subject Description: There are no set syllabi for these subjects. It is intended that they will be offered on a specialised materials engineering topic by members of the Department, or visitors to the Department.

Subject Objectives: n/a

Additional Information: This subject may be offered in 2001, please check with the Faculty.

Text books: n/a

Session contact campus delivery method
n/a

MATL902 Special Topic B 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: There are no set syllabi for these subjects. It is intended that they will be offered on a specialised materials engineering topic by members of the Department, or visitors to the Department.

Subject Objectives: n/a

Additional Information: This subject may be offered in 2001, please check with the Faculty.

Text books: n/a

Session contact campus delivery method
n/a

MATL903 Recent Developments in Materials 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Considerations of the structures, properties, technology and applications of advanced materials with emphasis on materials important to the Australian economy.

Subject Objectives: n/a

Additional Information: This subject may be offered in 2001, please check with the Faculty.

Text books: n/a

Session contact campus delivery method
n/a

MATL905 Metallic Materials 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a


Subject Objectives: n/a

Additional Information: This subject may be offered in 2001, please check with the Faculty.

Text books: n/a

Session contact campus delivery method
n/a

MATL906 Ceramic Materials 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a


Subject Objectives: n/a

Additional Information: This subject may be offered in 2001, please check with the Faculty.

Text books: n/a

Session contact campus delivery method
n/a

MATL907 Polymeric Materials 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Polymers, formation and classification. Effects of structure and additives on properties. Composite materials with polymeric matrices.

Subject Objectives: n/a

Additional Information: This subject may be offered in 2001, please check with the Faculty.

Text books: n/a

Session contact campus delivery method
n/a

MATL908 Phase Transformations 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Analysis and theories of solid state phase transformations, nucleation phenomena, diffusional and diffusionless growth; application to precipitation, eutectoid, proeutectoid, martensitic and other processes.

Subject Objectives: n/a

Additional Information: This subject may be offered in 2001, please check with the Faculty.

Text books: n/a

Session contact campus delivery method
n/a

MATL911 Mechanical Behaviour of Materials 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Behaviour of ceramics, metals and polymers under stress, stress-strain relationships, time and temperature dependent phenomena.

Subject Objectives: n/a

Additional Information: This subject may be offered in 2001, please check with the Faculty.

Text books: n/a
### Subject Descriptions

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<th>Session</th>
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<td>Subject Description: Surface coating processes, coating of materials with ceramics, metals and polymers; quality and performance of the product; surface heat treatment processes.</td>
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<td>Subject Description: Ironmaking. Sintering and pelletising; time-temperature effects; phase composition; strength-reducibility relationships; mix selection; cokemaking; fundamental relations; coke strength and reactivity; blast furnace process; Rist and Reicheart diagrams; burden design and distribution; stack, bosh and hearth processes; DRI.</td>
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**MATL961  Materials Analysis A 6 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** Advanced techniques. Theory and practice of X-ray, neutron and electron diffraction. Compositional analysis by X-ray fluorescence at macro and micro levels. Image contrast in electron microscopy. Field ion microscopy. Auger and Mossbauer spectroscopy.

**Subject Objectives:** n/a  
**Additional Information:** This subject may be offered in 2001, please check with the Faculty.

**Text books:** n/a

**Session  contact  campus  delivery  hours  method**

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**MATL971  Prescription and Selection of Materials 6 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** General classifications and properties of materials. Standards, codes and specifications. Property requirements for specific applications. Bases for choice of materials, testing and evaluation. Constraints imposed by environmental, manufacturing and economic considerations. Use of computers and data banks. Case studies.

**Subject Objectives:** n/a  
**Additional Information:** This subject may be offered in 2001, please check with the Faculty.

**Text books:** n/a

**Session  contact  campus  delivery  hours  method**

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**MATL972  Design of Materials 6 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** Relationship between composition, structure, properties and behavioural characteristics of industrially significant materials control of structure; developments in design of advanced materials for engineering applications.

**Subject Objectives:** n/a  
**Additional Information:** This subject may be offered in 2001, please check with the Faculty.

**Text books:** n/a

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**MATL973  Metallurgical Processing 3 6 cp**

Pre-requisites: MATI1202 and MATI203  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** n/a  
**Subject Objectives:** n/a  
**Additional Information:** This subject may be offered in 2001, please check with the Faculty.

**Text books:** n/a

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**MATL988  Metallurgical Processing 2 6 cp**

Pre-requisites: MATI1202 and MATI1203  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** n/a  
**Subject Objectives:** n/a  
**Additional Information:** This subject may be offered in 2001, please check with the Faculty.

**Text books:** n/a

**Session  contact  campus  delivery  hours  method**

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**MATL989  Metallurgical Processing 3 6 cp**

Pre-requisites: MATI202 and MATI203  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** n/a  
**Subject Objectives:** n/a  
**Additional Information:** This subject may be offered in 2001, please check with the Faculty.

**Text books:** n/a

**Session  contact  campus  delivery  hours  method**

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**MATL999  Advanced Topics in Materials 48 cp**

Pre-requisites: MATI202 and MATI203  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** n/a  
**Subject Objectives:** n/a  
**Additional Information:** n/a  

**Text books:** n/a

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ENGG921 Engineering Data Reduction and Error Analysis 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Probability distributions; normal, binomial, Weibull. Testing of hypothesis, error analysis, sampling techniques. Experimental design, correlation and auto-correlation, introduction to maintenance analysis data and control charts.

Subject Objectives: n/a

Additional Information: This subject may not be offered in 200, please check with the course coordinator before enrolling.

Text books: n/a

Session contact campus delivery hours method
n/a

ENGG922 Statistical Process Control in Manufacturing and Service Industries 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a


Subject Objectives: n/a

Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.

Text books: n/a

Session contact campus delivery hours method
n/a

ENGG940 Dissertation 12 cp

Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: Develop skills in analysing a specific situation or problem and utilise sound analytical processes to resolve it. Establish a will to seek out relevant existing knowledge pertinent to a typical problem confronted in the discipline. Develop and communicate logical argument. Have the capability to structure a major professional report.

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Annual n/a Wollongong On Campus
Autumn n/a Wollongong On Campus
Spring n/a Wollongong On Campus

ENGG945 Dissertation 24 cp

Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: Develop basic research skills. Understanding of the available and emerging knowledge related to a specific problem. Capability to analyse the research a specific problem in the discipline area and to apply current knowledge appropriately. Demonstrated capability to structure a major report in the discipline of the degree.

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Annual n/a Wollongong On Campus

ENGG950 Innovation and Design 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a


Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Annual n/a Wollongong On Campus

ENGG951 Engineering Project Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a


Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Annual n/a Wollongong On Campus
Subject Description: Topics will be selected from economic evaluation of projects, finance and budget control, cost models and life cycle planning. Planning techniques: network and critical path analysis. Quality issues in project management. Supervision, industrial relations, health and safety, managing international projects. Management of research and development. Case studies.

Subject Objectives: n/a

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

Text books: n/a

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**MECH899 Advanced Topics in Engineering**  48 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

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.

Subject Objectives: n/a

Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.

Text books: n/a

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**MECH803 Biomechanical Engineering**  6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: This subject introduces a selection of advanced quantitative methods used in biomechanical assessment of human movements. Topics include three-dimensional dynamics, modelling techniques (including finite element, simulation and optimisation).

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

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**MECH913 Pneumatic Transport of Bulk Solids**  6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: Classification and selection of transport systems; flow patterns; pressure drop, minimum transport velocities; design parameters and examples; feeding and disengaging methods.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

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**MECH914 Freight Pipelines**  6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: Economic analysis of freight pipeline systems (hydraulic and capsule) for long distance transportation; comparison with alternative modes of transport; basic mechanics and rheology of fluid particle systems and applications to pumping bulk solids over a range of mass concentrations; pressure losses in pipelines; equipment performance characteristics; fundamentals of capsule transportation employing hydraulic or pneumatic (gas) means as the energy source, equipment design and selection.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

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**MECH918 Sustainable Energy in Buildings**  6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

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 ADS; passive solar design of buildings; energy conservation in buildings; embodied energy in buildings; natural ventilation systems; and refrigeration systems.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

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**MECH919 Advanced Topics in Mechanical Engineering 1**  6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised mechanical
Subject Descriptions

engineering topic given by members of the Department, visiting academic staff or engineering consultants.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

Session | contact hours | campus | delivery method
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Autumn | n/a | Wollongong | On Campus
Spring | n/a | Wollongong | On Campus

MECH920 Numerical Methods in Mechanical Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Studies using finite difference and boundary element techniques. Topics are selected from the following areas of Mechanical Engineering: Aerodynamics, boundary layer flow, elasticity, gas dynamics, heat transfer, hydraulics and hydrodynamics.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

Session | contact hours | campus | delivery method
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n/a

MECH924 Continuum Mechanics 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: An introduction to tensor analysis, classical theory of elasticity, fluid mechanics, thermodynamics of solids, thermoelasticity, viscoelasticity, plasticity, finite deformation theory.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

Session | contact hours | campus | delivery method
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n/a

MECH925 Advanced Fluid Power 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Fluid power components; circuit design analysis of transmission, valve-controlled and feedback systems; electronic controls; vibration and transient response.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

Session | contact hours | campus | delivery method
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n/a

MECH926 Applied Fluid Mechanics 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A study of applied fluid mechanics which will include the analysis, design and control of a selection of fluid flow systems in industry.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

Session | contact hours | campus | delivery method
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n/a

MECH927 Physical Processing of Bulk Solids 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Bulk solids description and characterisation; crushing, grinding, thickening, separation, precipitation, filtration, blending, tabletting, benefication and agglomeration, sizing and classification, introduction to benefication; drying, intermediate processing and handling; control and instrumentation; dust generation and abatement.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

Session | contact hours | campus | delivery method
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n/a

MECH928 Finite Element Techniques in Mechanical Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a


Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a

Session | contact hours | campus | delivery method
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Autumn | n/a | Wollongong | On Campus

MECH929 Advanced Topics in Mechanical Engineering 2 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: As for MECH919.

Subject Objectives: n/a

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

Text books: n/a
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**MECH930  Mechanical Vibration and Condition Monitoring 6 cp**
- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a
- Subject Objectives: n/a
- Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
- Text books: n/a
- Session contact campus delivery hours method n/a

**MECH931  Friction Lubrication and Wear 6 cp**
- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a
- Subject Objectives: n/a
- Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
- Text books: n/a
- Session contact campus delivery hours method n/a

**MECH933  Solar Energy 6 cp**
- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a
- Subject Description: Principles and techniques applicable to the analysis and design of solar thermal energy systems. Solar radiation; transmission and absorption by collectors; analysis and design of collectors; energy storage; system thermal calculations; solar process economics.
- Subject Objectives: n/a
- Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
- Text books: n/a
- Session contact campus delivery hours method n/a

**MECH934  Advanced Manufacturing Processes 6 cp**
- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a
- 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.
- Subject Objectives: n/a
- Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
- Text books: n/a
- Session contact campus delivery hours method n/a

**MECH935  Integrated Manufacturing Systems 6 cp**
- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a
- Subject Description: CIM concepts and applications; FMS, computer-process interfacing, monitoring and control; computer-aided quality control; component handling systems; human interface in the manufacturing system; future trends, global and environmental aspects.
- Subject Objectives: n/a
- Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
- Text books: n/a
- Session contact campus delivery hours method n/a

**MECH939  Advanced Topics in Mechatronic Engineering 6 cp**
- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a
- 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.
- Subject Objectives: n/a
- Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
- Text books: n/a
- Session contact campus delivery hours method n/a

**MECH949  Advanced Computer Control of Machines and Processes 6 cp**
- Pre-requisites: n/a
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a
- 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.
Subject Descriptions

MECH950 Advanced Robotics 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Design of advanced robot structures and control systems, modelling of sensor-based robot systems, application of artificial intelligence in robot control.

MECH955 ME Major Thesis 48 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method n/a
Annual n/a Wollongong On Campus

MECH957 Major Phd Thesis 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The historical evolution, development, application methodology and integration of these techniques within the cultural, political and industrial environment of various regions/countries are addressed, in the context of achieving World's Best Practice. Techniques of emerging importance in both the manufacturing and service fields, such as self-diagnosis, benchmarking, business process re-engineering, concurrent engineering, quality function deployment, and software quality management. The quality award system in use in each region will be studied and compared.

MECH967 International Quality Techniques 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.

MECH969 Process Design and Analysis 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Advanced topics in industrial processes including: process flow diagrams; process and instrumentation diagrams; terminology, HAZOP studies; dust and gas explosion hazards in the process industries; process equipment design, selection and interaction; high pressure gas flow rate control, distribution and measurement, prime mover ratings; instrumentation for process control and case studies.

MECH970 Maintenance Management 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Overall perspective for maintenance in business context; Maintenance philosophies; Evolution of maintenance management; Cost and profit drivers in maintenance; Maintenance organisation department structure (Resource and administration); Maintenance documentation and computer control; Quality assurance in maintenance; Implementation of maintenance planning; Human factors and motivation skills in maintenance environment; TQM Aspects: improvement methodology (Plan-Do-Check-Act).

MECH971 Systems Analysis For Maintenance 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
MECH972  Condition Based Maintenance  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Overview of fault diagnosis techniques (electrical-mechanical-computer); Identification of critical plant, failure types-modes; Diagnosis documentation; Maintenance strategies; Target areas for successful applications; Sensor technology overview; Condition monitoring strategy, techniques and organisation; Automation aspects in condition monitoring; Expert-AI systems; Costs and problems; Decisions on the periodicity of condition monitoring; Case studies.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a

MECH973  Systems Engineering and Life Cycle Management  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2001, please check with the course coordinator before enrolling.
Text books: n/a

MECH974  Information Systems in Maintenance Management  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Analysis of maintenance information needs, data collection, types, and uses; Human factors in information systems; Computer information systems - a summary with a view to maintenance; Computer system selection for maintenance organisation, networking, economics; Maintenance planning, Creation of user application software; Survey and critical assessment of standard available maintenance related software packages.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a

MECH976  Maintenance System Design and Management  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Human aspects of maintenance and reliability; ergonomics; work measurement, methods engineering and activity sampling applied to maintenance activities; estimation of maintenance times; maintenance facilities layout. Planning for shutdowns and overhauls; inventory control for maintenance, inventory control systems, configuration management, warehouse control, evaluation of maintenance performance, improving maintenance performance, TPM.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a

MECH977  Advanced Topics in Maintenance 1  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised maintenance topic given by members of the Department, visiting academic staff or engineering consultants.
Subject Objectives: n/a
Additional Information: This subject will not be offered in 2001
Text books: n/a

MECH978  Advanced Topics in Maintenance 2  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised maintenance topic given by members of the Department, visiting academic staff or engineering consultants.
Subject Objectives: n/a
Additional Information: This subject will not be offered in 2001
Text books: n/a

MECH979  Sustainable Transport and Engine Technology  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Advanced topics in: conventional and novel engine technology and design; strategies for reducing emissions; alternative fuels; solar vehicles; fuel cells and hybrid vehicles.
Subject Objectives: n/a
### Subject Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH980</td>
<td>Functional Analysis and Risk Management</td>
<td>6 cp</td>
</tr>
<tr>
<td>MECH981</td>
<td>Concurrent Design Management</td>
<td>6 cp</td>
</tr>
<tr>
<td>MECH982</td>
<td>Bulk Solids Characterisation and Particulate Mechanics</td>
<td>6 cp</td>
</tr>
<tr>
<td>MECH983</td>
<td>Bulk Solids Handling (Storage and Flow)</td>
<td>6 cp</td>
</tr>
<tr>
<td>MECH984</td>
<td>Belt Conveying</td>
<td>6 cp</td>
</tr>
<tr>
<td>MECH985</td>
<td>Dust and Fume Systems</td>
<td>6 cp</td>
</tr>
<tr>
<td>MECH986</td>
<td>Instrumentation and Control Systems For Bulk Solids</td>
<td>6 cp</td>
</tr>
</tbody>
</table>

#### MECH980 Functional Analysis and Risk Management 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** Subject to demand, this subject may be offered in 2001. Please contact the Faculty
- **Text books:** n/a
- **Session** contact campus delivery hours method n/a

#### MECH981 Concurrent Design Management 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** System integration from the functional to the physical stage. Project planning. Risk management. Management of configuration, interface. Human engineering; task, operational sequencing, personnel requirements, error and safety analysis.
- **Subject Objectives:** n/a
- **Additional Information:** Subject to demand, this subject may be offered in 2001. Please contact the Faculty
- **Text books:** n/a
- **Session** contact campus delivery hours method n/a

#### MECH982 Bulk Solids Characterisation and Particulate Mechanics 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** Concepts of particle mechanics (failure criteria, models to represent such criteria as particle size and distributions, particle shape. compressibility, permeability, internal friction, cohesion, adhesion, wall friction); concepts of flow properties of bulk solids for equipment design, flow property measurement techniques; use of computer software to analyse and present experimental data for use in design.
- **Subject Objectives:** n/a
- **Additional Information:** Subject to demand, this subject may be offered in 2001. Please contact the Faculty
- **Text books:** n/a
- **Session** contact campus delivery hours method n/a

#### MECH983 Bulk Solids Handling (Storage and Flow) 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** Basic concepts of storage; flow and feeding of bulk solids; use of flow properties to determine hopper geometries; bin wall loads; feeding and discharge systems, feeder loads; chute design; flowrate prediction; segregation and blending; dust suppression systems; stock pile systems; case studies.
- **Subject Objectives:** n/a
- **Additional Information:** This subject may not be offered in 2001, please check with the course coordinator before enrolling
- **Text books:** n/a
- **Session** contact campus delivery hours method n/a

#### MECH984 Belt Conveying 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **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.
- **Subject Objectives:** n/a
- **Additional Information:** Subject to demand, this subject may be offered in 2001. Please contact the Faculty
- **Text books:** n/a
- **Session** contact campus delivery hours method n/a

#### MECH985 Dust and Fume Systems 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **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; dust design; dust generation and its minimisation; filtration systems; design of dust handling and disposal systems; occupational health and safety; dust explosion; case studies.
- **Subject Objectives:** n/a
- **Additional Information:** Subject to demand, this subject may be offered in 2001. Please contact the Faculty
- **Text books:** n/a
- **Session** contact campus delivery hours method n/a

#### MECH986 Instrumentation and Control Systems For Bulk Solids 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** Transducer types and their specification and applications; dynamic response of systems; speed measurement and control; mass flow rate measurement; belt weighing, weigh belt feeders,
MECH987 Advanced Topics in Bulk Solids and Particulate Technologies 1  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised topic relating to some aspect of modern technologies relating to bulk solids and/or particulate technologies by staff members/visiting specialists and/or engineering practitioners.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a
Session contact campus delivery hours method n/a

MECH988 Advanced Topics in Bulk Solids and Particulate Technologies 2  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised topic relating to some aspect of modern technologies relating to bulk solids and/or particulate technologies by staff members/visiting specialists and/or engineering practitioners.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a
Session contact campus delivery hours method n/a

MECH989 Advanced Topics in Bulk Solids and Particulate Technologies 3  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised topic relating to some aspect of modern technologies relating to bulk solids and/or particulate technologies by staff members/visiting specialists and/or engineering practitioners.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a
Session contact campus delivery hours method n/a

MECH990 Bulk Solids and Particulate Technologies Project  12 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Prepare a thesis on an approved topic related to bulk solids and/or particulate technologies. Normally the thesis will cover work performed in the workplace and additional supervision by an industry representative.
Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a
Session contact campus delivery hours method n/a

MECH993 Maintenance Management of Bulk Handling Systems  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Maintenance function principles and objectives; reliability and maintainability; maintenance planning; maintenance strategy for plant - a systems approach; maintenance and information support; failure analysis; maintenance organisation; maintenance control and documentation; human resource management; total production maintenance; auditing industrial maintenance systems.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.
Text books: n/a
Session contact campus delivery hours method n/a

MECH994 Mechanical Handling Systems  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Loss factor of transport; economic analysis of conveying and transportation systems; aspects of particulate mechanics in relation to mechanical handling systems; design concepts and performance criteria of mechanical conveying and feeding equipment employed in process plants. Performance analysis and evaluation of mechanical loading and unloading systems such as used in ship transport.
Subject Objectives: n/a
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.
Text books: n/a
Session contact campus delivery hours method n/a
MECH995  Bulk Solids Handling (Systems and Design)  6 cp

Pre-requisites:  n/a
Co-requisites:  n/a
Restrictions:  n/a
Exclusions:  n/a
Assessment:  n/a

Subject Description: Bin wall loads for symmetric and eccentric discharge; analysis of dynamic effects, the 'silo quaking' problem; wall roughness, friction and wear, feeder design principles; performance analysis of a range of feeders for bulk solids; flow promotion, blending and mixing; flow of fine powders; transfer chutes; vibration of bulk solids.

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty

Text books:  n/a

Session  contact  campus  delivery
hours  method
## MINING ENGINEERING

### MINE899 Advanced Topics in Mining Engineering  
**48 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**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.  

**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session contact campus delivery hours method**  
Annual n/a Wollongong On Campus

### MINE901 Transportation of Minerals and Personnel  
**6 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** Transport of minerals from initial winning to stockpile and to distribution points; safety problems, hygiene, the environment; transport of personnel, equipment, safety, regulations; cost involved; current research.  

**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session contact campus delivery hours method** n/a

### MINE902 Advanced Studies in Mining Engineering  
**6 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** Topics will be selected from those areas of Mining Engineering in which staff members or visiting staff members to the Department are engaged in active research.  

**Subject Objectives:** n/a  
**Additional Information:** Subject to demand, this subject may be offered in 2001. Please contact the Faculty  
**Text books:** n/a  
**Session contact campus delivery hours method** n/a

### MINE903 Simulation of Underground Mining Operations and Problems  
**6 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**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.  

**Subject Objectives:** n/a  
**Additional Information:** Subject to demand, this subject may be offered in 2001. Please contact the Faculty  
**Text books:** n/a  
**Session contact campus delivery hours method** n/a

### MINE904 Rock Mechanics  
**6 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**Subject Description:** Fundamentals of strata mechanics together with advanced topics including engineering technology and rock mechanics aspects of coal mining strata control. Design aspects of mine structures, such as mine pillars, gate roads and longwall mining. Instrumentation in providing for the safe design of the mine opening. Rock and cable bolting techniques and powered support design.  

**Subject Objectives:** n/a  
**Additional Information:** Subject to demand, this subject may be offered in 2001. Please contact the Faculty  
**Text books:** n/a  
**Session contact campus delivery hours method** n/a

### MINE905 Environmental Control in Mines  
**6 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**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.  

**Subject Objectives:** n/a  
**Additional Information:** Subject to demand, this subject may be offered in 2001. Please contact the Faculty  
**Text books:** n/a  
**Session contact campus delivery hours method** n/a

### MINE906 Mining Engineering Techniques  
**6 cp**

Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: n/a  

**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.  

**Subject Objectives:** n/a  
**Additional Information:** Not available in 2001  
**Text books:** n/a
MINE908 Fires, Explosions & Mine Gases 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Formation of coal dust; explosibility of coal dust; initiation of explosions; methane accumulation; development and propagation of explosion wave front; pressure pulse and flame front; prevention and control of coal dust formation; barriers, active and passive; experimental galleries; rescue and recovery of both mine and personnel; resultant fires; computer modelling of resulting crisis situations in ventilation; current research; relevant legislation.

Additional Information: not available in 2001

MINE909 Mine Subsidence 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Causes of mine subsidence; continuum mechanics theories; determination of trough subsidence; subsidence calculations and prediction; measurement techniques; design of structures in mine subsidence active area; methods of reducing subsidence damage; application of computers for subsidence modelling; relevant legislation.

Additional Information: Not available in 2001

MINE93 Mine Water-Origin, Inflow Predictions and Control 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Water problems in surface and under-ground mining; hydro geological factors affecting mine water inflow; hydrological considerations in origin of mine water; hydro geological characterisation of rock mass and pumping tests; pumping test calculations; effects of ground water on surface mining stability; ground water control in surface mining; calculation of mine water inflow to surface mining; water problems in underground mining; under-ground mine dewatering techniques; pumps and pumping systems; under-ground pumping stations and pump design; mine inundation; working under the body of water; inflow prediction by chemical analysis method; mine water pollution control; treatment of mine water pollution; biotechnical approach; constructed wetlands and lagoons.

Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty

MINE955 Major Thesis (48 Credit Points) 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Additional Information: n/a

MINE957 Phd Major Thesis (48 Credit Points) 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Additional Information: n/a
Faculty of Health & Behavioural Sciences

Member Units
Biomedical Science
Nursing
Psychology
Graduate School of Public Health
Smart Foods Centre (ARC Key Centre of Teaching and Research).

Department of Biomedical Science

The following postgraduate courses are available:
- Honours Master of Science
- Doctor of Philosophy
- Graduate Diploma in Science (Biomedical Science)
- Graduate Diploma in Science (Exercise Rehabilitation)
- Master of Science (Exercise Rehabilitation)
- Master of Science (Nutrition)
- Master of Science (Nutrition and Dietetics)
- Master of Science (Nutrition/Dietetics and Exercise Science)
- Graduate Certificate in Occupational Health and Safety
- Graduate Diploma in Science (Occupational Health and Safety)
- Master of Science (Occupational Health and Safety)

Current Research Areas
The Department’s research activities are in the general areas of metabolic disorders, neuroscience, cardiorespiratory and exercise physiology, exercise science and rehabilitation, and nutrition and dietetics.

Honours Master of Science
The primary aim of the 2-year MSc (Honours) degree is to provide research opportunities and training at the postgraduate level. Those students with a degree of at least Honours Class II, Division 2 level will be required to complete a 48 cp thesis.

GHMA999 Major Thesis
Students with a degree of less than Honours Class II, Division 2 level will be required to complete 24 cp of coursework, plus at least three sessions of full-time (or equivalent part-time) enrolment in the 48 cp thesis.

Year 1

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Course</th>
<th>CP</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>GHMA906 Research Project</td>
<td>8</td>
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<tr>
<td></td>
<td>GHMA909 Practicum</td>
<td>8</td>
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<tr>
<td></td>
<td>GHMA913 Special Topics</td>
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<tr>
<th>Semester 2</th>
<th>Course</th>
<th>CP</th>
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<tbody>
<tr>
<td></td>
<td>GHMA998 Introduction to the Major Thesis</td>
<td>24</td>
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Year 2

<table>
<thead>
<tr>
<th>Course</th>
<th>CP</th>
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<tbody>
<tr>
<td>GHMA999 Major Thesis</td>
<td>48</td>
</tr>
<tr>
<td>Total: 96cp</td>
<td></td>
</tr>
</tbody>
</table>

Doctor of Philosophy
Study at the Doctoral level, usually for a minimum of 3 years full-time, is by advanced research thesis. Candidates are expected to develop a research thesis that leads to an original and significant contribution to the knowledge in their particular field.

To be eligible for admission to the program, candidates must have achieved Honours Class II Division 2 or higher in their undergraduate degree, or have completed a MSc (Hons). In addition, a primary supervisor from the department of Biomedical Science must be identified prior to commencing the program.

Rules and procedures for Doctoral degrees by Thesis are listed in the General Information Calendar (Regulations 601-605). Doctoral candidates are urged to be familiar with the Code of Practice - Supervision and Attachments C2-C4 containing the regulations regarding preparation and submission of the thesis.

Years 1-3

<table>
<thead>
<tr>
<th>Course</th>
<th>CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMA999 Major Thesis</td>
<td>48</td>
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</tbody>
</table>

Graduate Diploma of Science (Biomedical Science)
A 1-year and 48cp program of course work within the discipline areas of Biomedical Science. The Head of Department must approve the selection of subjects. The Grad Dip Sc (Biomedical Science) is a full fee paying degree.
### Graduate Diploma in Science (Exercise Rehabilitation)

This 1-year (48cp) course work Graduate Diploma of Science is designed for graduates of an approved 3-year BSc (Exercise Science) degree program to gain professional accreditation as an Exercise Physiologist from AAESS. The Grad Dip Sc (Exercise Rehabilitation) is a full fee paying degree.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>BExS402</td>
<td>Exercise in Special Populations</td>
<td>8</td>
</tr>
<tr>
<td>BExS411</td>
<td>Practicum in Exercise Science A</td>
<td>8</td>
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<tr>
<td>BExS412</td>
<td>Practicum in Exercise Science B</td>
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<td>BExS451</td>
<td>Exercise Rehabilitation 1: Musculoskeletal</td>
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<td>BExS452</td>
<td>Exercise Rehabilitation 2: Cardiorespiratory and Neurological</td>
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<tr>
<td>BMS303</td>
<td>Research Topics in Exercise Science</td>
<td>8</td>
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</table>

### Master of Science (Exercise Rehabilitation)

This 1.5-year (72cp) masters level program provides graduates with a 3-year Exercise Science/ Human Movement Science degree a postgraduate program which includes research training and professional studies leading to professional accreditation as an Exercise Physiologist by the Australian Association for Exercise and Sports Science (AAESS). The MSc (Exercise Rehabilitation) is a full fee paying program.

<table>
<thead>
<tr>
<th>Year 1</th>
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<td></td>
<td>BExS451</td>
<td>Exercise Rehabilitation 1: Musculoskeletal</td>
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<tr>
<td></td>
<td>BExS452</td>
<td>Exercise Rehabilitation 2: Cardiorespiratory and Neurological</td>
<td>8</td>
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<tr>
<td></td>
<td>BMS303</td>
<td>Research Topics in Exercise Science</td>
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<tr>
<th>Year 2</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td></td>
<td>GIMA997</td>
<td>Major Project</td>
<td>24</td>
</tr>
</tbody>
</table>

### Master of Science (Nutrition)

The 1.5-year (72cp) MSc (Nutrition) program provides access to the academic and research experiences of the MSc (Nutrition and Dietetics) but excludes the placement program and so is not accredited by the DAA. The MSc (Nutrition) is a full-fee paying program.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GIMA930</td>
<td>Community and Public Health Nutrition</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA931</td>
<td>Nutrients and Metabolism</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA932</td>
<td>Research in Human Nutrition</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA997</td>
<td>Major Project</td>
<td>24</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GIMA933</td>
<td>Communication in Health Care Practice</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA934</td>
<td>Dietetics</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA935</td>
<td>Food Service and Dietetics Management</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA937</td>
<td>Practical Studies in Nutrition and Dietetics</td>
<td>24</td>
</tr>
</tbody>
</table>

* or 24cps of course work approved by the Head of Department

### Master of Science (Nutrition & Dietetics)

Graduates of the 2-year (96cp) MSc (Nutrition and Dietetics) program may apply to become members of the Dietitians Association of Australia (DAA) and practice as professional Dietitians/Nutritionists. Graduates of an approved BSc (Nutrition) degree program may receive up to 24cps of advanced standing allowing the degree to be completed in 1.5 years. The MSc (Nutrition and Dietetics) is a full fee paying degree.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Course Code</th>
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<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GIMA930</td>
<td>Community and Public Health Nutrition</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA931</td>
<td>Nutrients and Metabolism</td>
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<td></td>
<td>GIMA932</td>
<td>Research in Human Nutrition</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA997</td>
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<td>8</td>
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<td></td>
<td>GIMA935</td>
<td>Food Service and Dietetics Management</td>
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<tr>
<td></td>
<td>GIMA937</td>
<td>Practical Studies in Nutrition and Dietetics</td>
<td>24</td>
</tr>
</tbody>
</table>

* graduates of the BSc(Nutrition) degree may apply for advanced standing in these subjects

### Master of Science (Nutrition/Dietetics & Exercise Science)

This 2-year program allows graduates of an approved BSc (Exercise Science and Nutrition) degree to obtain professional accreditation as both a Dietitian/Nutritionist from the DAA, and an Exercise Science practitioner from AAESS. The MSc (Nut/Diet and Exs) is a full fee paying degree.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GIMA929</td>
<td>Exercise Psychology and Dietary Counselling</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA934</td>
<td>Dietetics</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>BExS402</td>
<td>Exercise in Special Populations</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>BExS451</td>
<td>Exercise Rehabilitation 1: Musculoskeletal</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>GIMA937</td>
<td>Practical Studies in Nutrition and Dietetics</td>
<td>24</td>
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<tr>
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<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GIMA935</td>
<td>Food Service and Dietetics Management</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>BExS452</td>
<td>Exercise Rehabilitation 2: Cardiorespiratory and Neurological</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>BExS411</td>
<td>Practicum in Exercise Science A</td>
<td>8</td>
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</table>
Graduate Certificate in Occupational Health & Safety

This one session full-time or part-time equivalent (24 credit point) course provides an entry point for students with relevant work experience but limited formal qualifications in OH and S. The course is designed to permit students to transfer to either the Graduate Diploma in Science (Occupational Health and Safety) after completion of its academic requirements.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BExS412</td>
<td>Practicum in Exercise Science B</td>
<td>8</td>
</tr>
<tr>
<td>BMS304</td>
<td>Research Topics in Nutrition and Dietetics</td>
<td>16</td>
</tr>
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</table>

Graduate Diploma in Science (Occupational Health & Safety)

The Graduate Diploma of science (OH and S) is a one year full time or part-time equivalent, 48 credit point program which covers a broad base of core knowledge and practical skills with options to specialise in OH and S management and/or Occupational and Environmental Health.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIMA921</td>
<td>Workplace Injury Management</td>
<td>6</td>
</tr>
<tr>
<td>LAW969</td>
<td>OH&amp;S Law</td>
<td>6</td>
</tr>
<tr>
<td>GIMA920</td>
<td>Behavioural Change: Human Factors in OH&amp;S</td>
<td>6</td>
</tr>
<tr>
<td>GIMA922</td>
<td>OH&amp;S Risk Management</td>
<td>6</td>
</tr>
<tr>
<td>GIMA922</td>
<td>Occupational Hygiene and Toxicology</td>
<td>6</td>
</tr>
<tr>
<td>MGMT963</td>
<td>OH&amp;S Management</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Plus 12 cp of electives from either Group A and/or Group B (for a total of 48 cp)</td>
<td></td>
</tr>
</tbody>
</table>

A: Occupational & Environmental Health & Safety Stream

<table>
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<tr>
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<tr>
<td>GIMA922</td>
<td>Occupational Hygiene and Toxicology</td>
<td>6</td>
</tr>
<tr>
<td>MGMT963</td>
<td>OH&amp;S Management</td>
<td>6</td>
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B: OH&S Management Stream

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT907</td>
<td>Managerial Skill Workshop</td>
<td>6</td>
</tr>
<tr>
<td>MGMT908</td>
<td>Human Resource Development and the Learning Organization</td>
<td>6</td>
</tr>
<tr>
<td>MGMT911</td>
<td>Organisational Behaviour</td>
<td>6</td>
</tr>
<tr>
<td>MGMT915</td>
<td>Management of Change</td>
<td>6</td>
</tr>
<tr>
<td>MGMT919</td>
<td>Organisational Analysis</td>
<td>6</td>
</tr>
<tr>
<td>GIMA923</td>
<td>OH&amp;S Risk Management</td>
<td>6</td>
</tr>
<tr>
<td>GIMA922</td>
<td>Occupational Hygiene and Toxicology</td>
<td>6</td>
</tr>
<tr>
<td>MGMT963</td>
<td>OH&amp;S Management</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Plus 24 cp of electives from either Group A and/or Group B (for a total of at least 72 cp)</td>
<td></td>
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</tbody>
</table>

A: Occupational & Environmental Health & Safety Stream

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>BMS302</td>
<td>Research Topics</td>
<td>6</td>
</tr>
<tr>
<td>GIMA921</td>
<td>Workplace Injury Management</td>
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</tr>
<tr>
<td>GIMA920</td>
<td>Behavioural Change: Human Factors in OH&amp;S</td>
<td>6</td>
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<td>MGMT963</td>
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B: OH&S Management Stream

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<td>MGMT908</td>
<td>Human Resource Development and the Learning Organization</td>
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<tr>
<td>MGMT915</td>
<td>Management of Change</td>
<td>6</td>
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<tr>
<td>MGMT920</td>
<td>Organisational Analysis</td>
<td>6</td>
</tr>
<tr>
<td>MGMT933</td>
<td>Management of Process Innovation</td>
<td>6</td>
</tr>
<tr>
<td>MGMT947</td>
<td>Quality Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT953</td>
<td>Human Resource Management</td>
<td>6</td>
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</table>

Master of Science (Occupational Health & Safety)

The Master of Science (OH and S) is a one and half year full time, 72 credit point program which covers a broad base of core knowledge and skills with options to specialise in OH and S management and/or Occupational and Environmental Health. The degree also offers an opportunity to undertake a research project within the area of OH and S.

<table>
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<td>Occupational Hygiene and Toxicology</td>
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<td>MGMT963</td>
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<td>GIMA924</td>
<td>Ergonomics</td>
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<tr>
<td>GIMA925</td>
<td>Health Promotion</td>
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<td>GIIMA923</td>
<td>OH&amp;S Risk Management</td>
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<td></td>
<td>Plus 24 cp of electives from either Group A and/or Group B (for a total of at least 72 cp)</td>
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A: Occupational & Environmental Health & Safety Stream

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<td>MGMT908</td>
<td>Human Resource Development and the Learning Organization</td>
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</tr>
<tr>
<td>GIMA924</td>
<td>Communication and Data Skills</td>
<td>6</td>
</tr>
<tr>
<td>GIMA925</td>
<td>Epidemiology</td>
<td>6</td>
</tr>
<tr>
<td>GIMA926</td>
<td>Health Promotion</td>
<td>6</td>
</tr>
<tr>
<td>GIMA927</td>
<td>Health Research Methodology</td>
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<td>MGMT953</td>
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</table>
Course Structures

DEPARTMENT OF NURSING

The following postgraduate courses are available:
Honours Master of Nursing
Doctor of Philosophy
Graduate Certificate in Nursing
Graduate Diploma in Nursing
Master of Nursing
Graduate Certificate in Indigenous Health
Graduate Diploma in Indigenous Health
Master of Indigenous Health
Graduate Certificate in Mental Health Nursing
Graduate Diploma in Science (Developmental Disability)
Master of Science (Developmental Disability)
Master of Science (Midwifery)
Honours Master of Science (Midwifery)

Current Research Areas

The major current areas of nursing research use educational, demographic, and ethnographic techniques. Studies using a variety of approaches associated with disciplines such as Psychology, History, Economics, Philosophy and Sociology will be considered.

The following areas of research are available to candidates undertaking the Honours Masters degrees by research and the Doctor of Philosophy degree:
- Maternal and child care
- Diabetes
- Physiology/Pathophysiology
- Medical/surgical nursing
- Special care nursing
- Mental health
- Developmental disability
- Psychiatric nursing
- Health promotion
- Cardiovascular disease prevention
- Health services evaluation
- Migrant health
- Indigenous Health Studies
- and other areas relevant to nursing.

Please note: assessment requirements will be listed in the subject outlines provided to students at the beginning of each session.

Honours Master of Nursing

The Honours Master of Nursing by Research is intended to provide candidates with the opportunity to pursue a research program in a specialised field of nursing.

Students should refer to the Course Rules and note the following additions:

i) Applicants must hold a qualification in nursing which will enable them to gain authority to practise.

Normal entry requirements are as stated in the Course Rules.

a) Candidates who successfully complete the Graduate Diploma in Nursing may apply for entry into the Master of Nursing Degree or Master of Nursing (Honours) Degree.

b) a candidate will undertake an approved course recommended by the Head of the Department of Nursing;

c) a person wishing to use previous postgraduate studies to qualify for admission to the Honours Master of Nursing degree shall be expected to:

b) carry 48 cp advanced standing from the Graduate Diploma into the Master of Nursing (Honours);

c) carry 48 cp advanced standing from the Pass Master of Nursing to the Master of Nursing (Honours) with the additional requirement of 48 cp from thesis work, or

d) proceed straight into 96 cp Master of Nursing (Honours) as per Course Rules.

iv) candidates wishing to use previous postgraduate studies obtained from institutions other than the University of Wollongong will be awarded credit consistent with the general regulations of the University of Wollongong;

v) a candidate for the Honours Master of Nursing will successfully complete subjects with a total value of not less than 96 cp over 2 years full-time comprising two-thirds of thesis work

Note: core subjects are currently under revision

Doctor of Philosophy

The Doctor of Philosophy is offered through the Department of Nursing for research into a selection of topics. These are determined by the availability of supervisors and their areas of expertise. The degree normally requires 3 years full-time study. A requisite for the award of Doctor of Philosophy is that the candidate contributes new knowledge to their discipline.

(Repeat same enrolment each year of study)

G11MB999 Major Thesis
Graduate Certificate in Nursing*

The Graduate Certificate in Nursing is a short, focused, clinically based 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. On completion of the Graduate Certificate in Nursing candidates may elect to progress to the Graduate Diploma in Nursing.

24 cp from the subjects listed below:

Core subjects

- GHMB950 Reflective Practice 1 6
- GHMB951 Reflective Practice 2 6

plus: 12 credit points of subjects approved by the Head of Department

Recommended subjects

Nursing

- GHMB902 Nursing Management 6
- GHMB903 Scientific and Quantitative Development in Acute Care Nursing 6
- GHMB906 Acute Care Nursing: Reflections on Practice 6
- GHMB907 Fundamental Concepts in Developmental Disability Practice 6
- GHMB908 Contemporary Issues in Developmental Disability 6
- GHMB923 Legal and Professional Issues 6

Public health

- GIIMD904 Epidemiology 6
- GIIMD905 Social Foundations of Public Health 6
- GIIMD906 Quality Management for Health Services 6
- GIIMD908 Health Services Planning 6
- GIIMD909 Comparative Health Systems 6
- GIIMD912 Health Promotion 6
- GIIMD924 Health Information Systems 6
- GIIMD936 Public Health Nutrition 6

*Note: This program is currently under review and subject to approval.

Graduate Diploma in Nursing*

a) The Graduate Diploma in Nursing is a professional course in nursing that will provide preparation for the nurse who seeks an expanded role in the health system.

b) The Graduate Diploma in Nursing provides nurses with the opportunity to develop skills and knowledge in a major area of nursing. Major areas of study include clinical education, critical care nursing, nursing management and research.

Applicants must hold a qualification to practise as a Registered Nurse or an equivalent authority to practise.

Normal entry requirements are as stated in the Course Rules.

48 credit points from the subjects listed below:

Core subjects

- GHMB950 Reflective Practice 1 6
- GHMB951 Reflective Practice 2 6
- GHIM923 Legal and Professional Issues 6

PLUS: 30 credit points of subjects approved by the Head of Department

Nursing

- GIIMB902 Nursing Management 6
- GIIMB903 Scientific and Quantitative Development in Acute Care Nursing 6
- GIIMB906 Acute Care Nursing: Reflections on Practice 6
- GIIMB907 Fundamental Concepts in Developmental Disability Practice 6
- GIIMB908 Contemporary Issues in Developmental Disability 6
- GIIMB910 Contemporary Issues in Developmental Disability 6

Public health

- GIIMD904 Epidemiology 6
- GIIMD905 Social Foundations of Public Health 6
- GIIMD906 Quality Management for Health Services 6
- GIIMD909 Comparative Health Systems 6
- GIIMD912 Health Promotion 6
- GIIMD924 Health Information Systems 6
- GIIMD925 Aboriginal Health Issues 6
- GIIMD936 Public Health Nutrition 6
- GIIMD984 Health Research Methodologies 6

*Note: This program is currently under review and subject to approval.
**Master of Nursing (48 cp)**

The Pass Masters degree is designed to prepare nurses for leadership roles in nursing and the health care system.

48 credit points from the subjects listed below

**Core subjects:**
- G1MB950 Reflective Practice 1
- G1MB951 Reflective Practice 2
- GI1MB952 Legal and Professional Issues
- GI1MB984 Health Research Methodology

PLUS: either GI1MB997 Major Project (24 cps) or GI1MB998 Minor Thesis (24 cps) as recommended by the Head of Department or

24 Credit points of elective subjects.

**Recommended Subjects**

**Nursing**
- GHMB902 Nursing Management
- GI1MB903 Scientific and Quantitative Development in Acute Care Nursing
- GI1MB906 Acute Care Nursing: Reflections on Practice
- GI1MB907 Fundamental Concepts in Developmental Disability Practice
- GI1MB908 Contemporary Issues in Developmental Disability
- GI1MB910 Contemporary Issues in Developmental Disability

**Public health**
- GI1MD904 Epidemiology
- GI1MD905 Social Foundations of Public Health
- GI1MD906 Quality Management for Health Services
- GI1MD908 Health Services Planning
- GI1MD909 Comparative Health Systems
- GI1MD912 Health Promotion
- GI1MD924 Health Information Systems
- GI1MD925 Aboriginal Health Issues
- GI1MD936 Public Health Nutrition
- GI1MD984 Health Research Methodology

**Graduate Certificate in Indigenous Health (24 cp)**

The Graduate Certificate in Indigenous Health Studies prepares graduates to work as autonomous health providers in urban and rural Indigenous communities.

The following subjects must be completed.
- GHMB904 Modalities of Care: Mental Health
- GHMB940 Indigenous Family Studies
- GHMD936 Public Health Nutrition
- GHMD983 Statistics in Health Research

*This program is currently under review*

**Graduate Diploma in Indigenous Health (48 cp)**

The Graduate Diploma in Indigenous Health Studies prepares graduates to work as autonomous health providers in urban and rural Indigenous communities.

The following subjects must be completed:
- GHMB904 Modalities of Care: Mental Health
- GHMB941 Indigenous Health Patterns
- GHMD983 Statistics in Health Research
- GHMD904 Epidemiology
- GHMD913 Drug Problems and Issues
- GHMD936 Public Health Nutrition
- Elective Subject

* This program is currently under review*

**Master of Indigenous Health (72 cp)**

The Master of Indigenous Health Studies prepares graduates to work as autonomous health providers in urban and rural Indigenous communities.

**Option A**

The following subjects must be completed:
- GHMB904 Modalities of Care: Mental Health
- GHMB940 Indigenous Family Studies
- GHMB941 Indigenous Health Patterns
- GHMD983 Statistics in Health Research
- GHMD904 Epidemiology
- GHMD913 Drug Problems and Issues
- GHMD936 Public Health Nutrition
- Elective Subject
- GHMB998 Minor Thesis
Option B

The following subjects must be completed:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMB904</td>
<td>Modalities of Care: Mental Health</td>
<td>6</td>
</tr>
<tr>
<td>GHMB940</td>
<td>Indigenous Family Studies</td>
<td>6</td>
</tr>
<tr>
<td>GHMB941</td>
<td>Indigenous Health Patterns</td>
<td>6</td>
</tr>
<tr>
<td>GHMD983</td>
<td>Statistics in Health Research</td>
<td>6</td>
</tr>
<tr>
<td>GHMD904</td>
<td>Epidemiology</td>
<td>6</td>
</tr>
<tr>
<td>GHMD913</td>
<td>Drug Problems and Issues</td>
<td>6</td>
</tr>
<tr>
<td>GHMD936</td>
<td>Public Health Nutrition</td>
<td>6</td>
</tr>
<tr>
<td>GHMD908</td>
<td>Health Services Planning and Evaluation</td>
<td>6</td>
</tr>
<tr>
<td>GHMD912</td>
<td>Health Promotion</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Elective Subject</td>
<td>0</td>
</tr>
<tr>
<td>GHMB942</td>
<td>Special Topic</td>
<td>12</td>
</tr>
</tbody>
</table>

*This program is currently under review

Graduate Certificate in Mental Health Nursing (24cp)

The following subjects must be completed:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMB989</td>
<td>Mental Health Nursing: Clinical Principles and Practice</td>
<td>6</td>
</tr>
<tr>
<td>GHMD971</td>
<td>Assessment and Diagnosis in Mental Health</td>
<td>6</td>
</tr>
<tr>
<td>GHMD973</td>
<td>Case Management in Mental Health</td>
<td>6</td>
</tr>
</tbody>
</table>

Graduate Diploma in Science (Developmental Disability)*

The Graduate Diploma in Science (Developmental Disability) is a multi-disciplinary course designed for health and education professionals providing direct care to people with developmental disabilities. It aims to provide an appropriate theoretical and conceptual framework for practice and access to contemporary information relating to developmental disability. The course consists of specialist developmental disability subjects and electives. Emphasis is on applying theoretical, research-based knowledge to practice in the developmental disability field.

Core subjects

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMB950</td>
<td>Reflective Practice 1</td>
<td>6</td>
</tr>
<tr>
<td>GHMB907</td>
<td>Fundamental concepts in Developmental Disability</td>
<td>6</td>
</tr>
<tr>
<td>GHMB908</td>
<td>Applied Behavioural science for Developmental Disability Practice</td>
<td>6</td>
</tr>
<tr>
<td>GHMB910</td>
<td>Contemporary Issues in Developmental Disability</td>
<td>6</td>
</tr>
<tr>
<td>GHMB983</td>
<td>Statistics in Health Research</td>
<td>6</td>
</tr>
<tr>
<td>GHMD984</td>
<td>Health Research Methodology</td>
<td>6</td>
</tr>
</tbody>
</table>

PLUS: electives (12 cps), normally chosen from the following subjects:

- SOC103 Sociology 1A
- SOC205 Sociology for the Family
- EDUF101 Child Growth and Development

*Note: This program is currently under review and subject to approval.

Master of Science (Developmental Disability)*

Students enrolled in Master of Science (Developmental Disability) will have already completed the Graduate Diploma in Science (Developmental Disability). They will undertake a minor thesis on an aspect of developmental disability that consolidates earlier studies in developmental disability and research methodology.

72 credit points from the subjects listed below

Core Subjects

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMB950</td>
<td>Reflective Practice 1</td>
<td>6</td>
</tr>
<tr>
<td>GHMB907</td>
<td>Fundamental concepts in Developmental Disability</td>
<td>6</td>
</tr>
<tr>
<td>GHMB908</td>
<td>Applied Behavioural science for Developmental Disability Practice</td>
<td>6</td>
</tr>
<tr>
<td>GHMB910</td>
<td>Contemporary Issues in Developmental Disability</td>
<td>6</td>
</tr>
<tr>
<td>GHMB983</td>
<td>Statistics in Health Research</td>
<td>6</td>
</tr>
<tr>
<td>GHMD984</td>
<td>Health Research Methodology</td>
<td>6</td>
</tr>
</tbody>
</table>

plus: electives (12 cps), normally chosen from the following subjects:

- SOC103 Sociology 1A
- SOC205 Sociology for the Family
- EDUF101 Child Growth and Development

*Note: This program is currently under review and subject to approval.

Master of Science (Midwifery)

The Master of Science (Midwifery) is to prepare graduates to function as autonomous practitioners in the professional practice of midwifery. On successful completion of the Master of Science (Midwifery), students who do not hold an authority to practice midwifery and have a current authority to practise as a Registered Nurse are eligible to apply to the NSW Nurses Registration Board for an authority to practise.

Specialisation (compulsory)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMB920</td>
<td>Applied Midwifery Studies</td>
<td>12</td>
</tr>
<tr>
<td>GHMB921</td>
<td>Reproductive Bioscience</td>
<td>8</td>
</tr>
<tr>
<td>GHMB922</td>
<td>Psychosocial Development of the Family</td>
<td>8</td>
</tr>
<tr>
<td>GHMB923</td>
<td>Legal and Professional Issues</td>
<td>6</td>
</tr>
<tr>
<td>GHMB924</td>
<td>Midwifery Studies</td>
<td>8</td>
</tr>
<tr>
<td>GHMB950</td>
<td>Reflective Practice 1</td>
<td>6</td>
</tr>
</tbody>
</table>
Honours Master of Science (Midwifery)

The Master of Science (Honours, Midwifery) is a program that provides an opportunity for candidates to engage in advanced coursework studies in related subjects and to complete a research enquiry culminating in the submission of a minor thesis. This degree is currently under revision. Please contact the department for further information.

DEPARTMENT OF PSYCHOLOGY

The following postgraduate courses are available:
Honours Master of Science
Doctor of Philosophy
Doctor of Philosophy (Clinical Psychology)
Graduate Certificate in Cognitive Neuroscience
Graduate Diploma in Applied Psychology
Master of Science (Pass)
Master of Psychology (Clinical)
Doctor of Psychology (Clinical)

Current Research Areas

The following areas of research are available to candidates undertaking the Master of Science degree (Honours) and the Doctor of Philosophy degree by research:

Clinical and community psychology: including clinical psychopathology and cognitive behaviour therapy, the psychology of drug dependence, constructivist and psychodynamic approaches, ADHD, psychotherapy research and professional psychological help seeking.

Cognitive processes: in particular, attention, memory, reading, imagery, the human/computer interface, and applied decision-making and problem solving.

Conditioning in humans, Comparative learning and cognition.

Emotions: including moods, and emotional intelligence.

Health Psychology: including psychology of diet, exercise and the metabolic syndrome, population and behavioural studies of physical activity and health.

Lifespan development: including development of deductive and inductive reasoning, and children's conceptual development.

Metatheoretical issues in psychology

Psychometrics and quantitative psychology

Psychophysiology: including the orienting reaction, and psychophysiological indices of cognitive processes; applications in clinical populations.

Social psychology: in particular, social cognition and belief systems; social psychology of adolescent behaviour; dependency.

Theoretical approaches to psychology: Personal construct psychology, Jungian and transpersonal psychology; psychoanalytic child psychology.

Visual perception

Honours Master of Science (2 years full-time or equivalent part-time)

To qualify for entry to the Honours Master of Science degree candidates must have an Honours degree of at least Class II, Division 2. Only a limited number of places are available, so the required standard may well be higher than this. The usual minimum period of study is two years full-time. For part-time study the duration will be approximately twice as long.

Each year students enrol in:

GIIMC998 Honours Masters by Research 48

Doctor of Philosophy (3 years full-time or equivalent part-time)

To qualify for entry to the Doctor of Philosophy research degree, candidates must have an Honours degree in a relevant discipline of at least Class II, Division 1 standard. Only a limited number of places are available, so the required standard may well be higher than this. This degree is a three-year full-time degree, the usual minimum period of study. For part-time study the duration will be approximately twice as long.

Each year students enrol in:

GIIMC999 Doctor of Philosophy Thesis 48

Doctor of Philosophy (Clinical Psychology)*

* Check with Department for availability and standing for 2001

To qualify for entry to the Doctor of Philosophy professional degrees, candidates must have an Honours Bachelor Degree of at least Class II, Division 1 standard. The program will normally involve eight academic sessions of full-time or equivalent part-time study. Full-time students are required to present for examination not later than 10 academic sessions from the date of registration. The program for the professional PhD candidates will require successful completion of:

i) a supervised research program on a topic which is in the field of Clinical Psychology. The research program, to be written up as a thesis, constitutes two-thirds of the course program.

GHMC918 Thesis

ii) 56 credit points of coursework subjects:

GHMC908 Professional Issues in Psychology 4
GHMC910 Child and Family Psychology 4
GHMC919 Clinical Applications of Health Psychology 4
GHMC926 Counselling Skills 4
GHMC931 Clinical Neuropsychology 4
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC932</td>
<td>Sociocultural Aspects of Applied Psychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC933</td>
<td>Professional Workshop Series A (or GHMC 934 Professional Workshop Series B)</td>
<td>4</td>
</tr>
<tr>
<td>GHMC939</td>
<td>Introduction to Cognitive Behavioural Therapy</td>
<td>4</td>
</tr>
<tr>
<td>GHMC969</td>
<td>Advanced Cognitive Behavioural Therapy</td>
<td>8</td>
</tr>
<tr>
<td>GHMC970</td>
<td>Assessment and Psychopathology A</td>
<td>8</td>
</tr>
<tr>
<td>GHMC971</td>
<td>Assessment and Psychopathology B</td>
<td>8</td>
</tr>
</tbody>
</table>

**iii) 16 credit points of supervised practical clinical experience:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC938</td>
<td>Practicum 1A</td>
<td>4</td>
</tr>
<tr>
<td>GHMC942</td>
<td>Practicum 1B</td>
<td>4</td>
</tr>
<tr>
<td>GHMC943</td>
<td>Practicum 2A</td>
<td>4</td>
</tr>
<tr>
<td>GHMC944</td>
<td>Practicum 2B</td>
<td>4</td>
</tr>
</tbody>
</table>

**iv) 120 credit points of independent but supervised research in the subjects:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC946</td>
<td>Research Project A</td>
<td>8</td>
</tr>
<tr>
<td>GHMC981</td>
<td>Research Project C</td>
<td>16</td>
</tr>
<tr>
<td>GHMC918</td>
<td>Thesis (enrolled for 2 years)</td>
<td>48</td>
</tr>
</tbody>
</table>

**Graduate Certificate in Cognitive Neuroscience**

Not on offer in 2001

The course provides an opportunity to begin formal studies in Cognitive Neuroscience. It is of particular interest to those with undergraduate training in Psychology, Medicine, Biomedical Science or Human Movement Science, but also of interest to those with a background in Electrical Engineering or Computer Science. It normally occupies three sessions of part-time study, involving subjects presented by distance education with some residential requirements, but may also be available as a six month, full-time, on-campus course.

**Entry Requirements**

This course is available to graduates with degrees deemed appropriate by the Head of Department.

**Program of Study**

Students complete the following subjects:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC964</td>
<td>Cognitive and Affective Neuroscience</td>
<td>8</td>
</tr>
<tr>
<td>GHMC966</td>
<td>Psychophysiology: Insights into Brain and Behaviour</td>
<td>8</td>
</tr>
<tr>
<td>GHMC967</td>
<td>Models of the Human Brain and their Applications</td>
<td>8</td>
</tr>
</tbody>
</table>

Students with appropriate backgrounds may be permitted to replace GHMC966 with an individual project (GHMC959 Research Project).

**Graduate Diploma in Applied Psychology**

This degree offers a fourth year of Psychology, accredited by the Australian Psychological Society, to graduates with a three-year major in Psychology. It is aimed at those interested in studying Psychology at an advanced level, as an alternative to the fourth year Honours degree. The course is designed to extend and enrich undergraduate studies in Psychology. The course can be completed in one year of full-time study or part-time equivalent.

**Entry requirements**

- Bachelor degree from the University of Wollongong with a major in Psychology; or
- an equivalent qualification from another tertiary institution approved by the Council of the University of Wollongong and accredited by the Australian Psychological Society.

It is possible to admit only a limited number of students each year. If the number of applicants exceeds the quota, admission will be based on academic qualifications.

**Program of Study**

Students complete the following subjects:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC952</td>
<td>Professional Skills for Psychologists</td>
<td>6</td>
</tr>
<tr>
<td>GHMC957</td>
<td>Health Psychology</td>
<td>6</td>
</tr>
<tr>
<td>GHMC976</td>
<td>Assessment in Applied Psychology</td>
<td>6</td>
</tr>
<tr>
<td>GHMC977</td>
<td>Counselling Psychology</td>
<td>6</td>
</tr>
<tr>
<td>GHMC978</td>
<td>Child and Adolescent Psychology</td>
<td>6</td>
</tr>
<tr>
<td>GHMC979</td>
<td>Major Research Project</td>
<td>18</td>
</tr>
</tbody>
</table>

**Master of Science (Pass)**

This degree is available to applicants with a major study in Psychology. It **is not an APS accredited fourth year of Psychology**, and therefore is not suitable for Australian students who intend to become practicing psychologists. The course structure allows international students to tailor their studies to suit the requirements of the profession in their own countries. This course is available as a one-year full-time or two-year part-time course.

**Entry requirements**

Bachelor degree or equivalent qualification with a major in Psychology.

**Program of Study**

Students complete the following subjects:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC952</td>
<td>Professional Skills for Psychologists</td>
<td>6</td>
</tr>
<tr>
<td>GHMC976</td>
<td>Assessment in Applied Psychology</td>
<td>6</td>
</tr>
<tr>
<td>GHMC977</td>
<td>Counselling Psychology</td>
<td>6</td>
</tr>
<tr>
<td>GHMC979</td>
<td>Major Research Project</td>
<td>18</td>
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</table>

Plus two electives chosen from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC975</td>
<td>Health Psychology</td>
<td>6</td>
</tr>
<tr>
<td>GHMC978</td>
<td>Child and Adolescent Psychology</td>
<td>6</td>
</tr>
<tr>
<td>GHMD965</td>
<td>Principles and Practices of Psychosocial Rehabilitation</td>
<td>6</td>
</tr>
</tbody>
</table>
Course Structures

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMD971</td>
<td>Assessment and Diagnosis in Mental Health</td>
<td>6</td>
</tr>
<tr>
<td>GHMD973*</td>
<td>Case Management in Mental Health</td>
<td>6</td>
</tr>
<tr>
<td>GHMD983</td>
<td>Statistics in Health Research</td>
<td>6</td>
</tr>
</tbody>
</table>

*Enrolment in this subject requires prior approval from the Head of the Graduate School of Public Health.

Master of Psychology (Clinical)

The Master of Psychology (Clinical) is a fully accredited professional 5th and 6th year of study for the purpose of membership of the Australian Psychological Society College of Clinical Psychologists. Entry to the Master of Psychology program will be from an Honours degree in Psychology at a standard of Class II, Division 2 or its equivalent. Places in this course are limited and will be based on academic merit and personal suitability. The program will involve four sessions of full-time study or their equivalent part-time. The program requires the successful completion of at least 96 credit points as follows:

i) 56 credit points of coursework subjects:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC908</td>
<td>Professional Issues in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC910</td>
<td>Child and Family Psychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC919</td>
<td>Clinical Applications of Health Psychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC926</td>
<td>Counselling Skills</td>
<td>4</td>
</tr>
<tr>
<td>GHMC931</td>
<td>Clinical Neuropsychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC932</td>
<td>Sociocultural Aspects of Applied Psychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC933</td>
<td>Professional Workshop Series A (or GHMC934 Professional Workshop Series B)</td>
<td>4</td>
</tr>
<tr>
<td>GHMC939</td>
<td>Introduction to Cognitive Behavioural Therapy</td>
<td>4</td>
</tr>
<tr>
<td>GHMC949</td>
<td>Advanced Cognitive Behavioural Therapy</td>
<td>8</td>
</tr>
<tr>
<td>GHMC970</td>
<td>Assessment and Psychopathology A</td>
<td>8</td>
</tr>
<tr>
<td>GHMC971</td>
<td>Assessment and Psychopathology B</td>
<td>8</td>
</tr>
</tbody>
</table>

ii) 16 credit points of supervised practical clinical experience:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC938</td>
<td>Practicum 1A</td>
<td>4</td>
</tr>
<tr>
<td>GHMC942</td>
<td>Practicum 1B</td>
<td>4</td>
</tr>
<tr>
<td>GHMC943</td>
<td>Practicum 2A</td>
<td>4</td>
</tr>
<tr>
<td>GHMC944</td>
<td>Practicum 2B</td>
<td>4</td>
</tr>
</tbody>
</table>

iii) 24 credit points of independent but supervised research in the subjects:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC946</td>
<td>Research Project A</td>
<td>8</td>
</tr>
<tr>
<td>GHMC947</td>
<td>Research Project B</td>
<td>16</td>
</tr>
</tbody>
</table>

Doctor of Psychology (Clinical)

To qualify for entry candidates must have an Honours Bachelor Degree of at least Class II, Division 1 standard. The program will normally involve six academic sessions of full-time or equivalent part-time study. Full-time students are required to present for examination not later than 8 academic sessions from the date of registration. The program for Doctor of Psychology candidates will require successful completion of:

i) a supervised research program on a topic that is in the field of Clinical Psychology. The research program will be written up as a thesis and constitutes half of the course program.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC914</td>
<td>Thesis</td>
<td></td>
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</table>

ii) 56 credit points of coursework subjects:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC908</td>
<td>Professional Issues in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC910</td>
<td>Child and Family Psychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC919</td>
<td>Clinical Applications of Health Psychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC926</td>
<td>Counselling Skills</td>
<td>4</td>
</tr>
<tr>
<td>GHMC931</td>
<td>Clinical Neuropsychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC932</td>
<td>Sociocultural Aspects of Applied Psychology</td>
<td>4</td>
</tr>
<tr>
<td>GHMC933</td>
<td>Professional Workshop Series A (or GHMC934 Professional Workshop Series B)</td>
<td>4</td>
</tr>
<tr>
<td>GHMC939</td>
<td>Introduction to Cognitive Behavioural Therapy</td>
<td>4</td>
</tr>
<tr>
<td>GHMC949</td>
<td>Advanced Cognitive Behavioural Therapy</td>
<td>8</td>
</tr>
<tr>
<td>GHMC970</td>
<td>Assessment and Psychopathology A</td>
<td>8</td>
</tr>
<tr>
<td>GHMC971</td>
<td>Assessment and Psychopathology B</td>
<td>8</td>
</tr>
</tbody>
</table>

iii) 16 credit points of supervised practical clinical experience:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC938</td>
<td>Practicum 1A</td>
<td>4</td>
</tr>
<tr>
<td>GHMC942</td>
<td>Practicum 1B</td>
<td>4</td>
</tr>
<tr>
<td>GHMC943</td>
<td>Practicum 2A</td>
<td>4</td>
</tr>
<tr>
<td>GHMC944</td>
<td>Practicum 2B</td>
<td>4</td>
</tr>
</tbody>
</table>

iv) 72 credit points of independent but supervised research in the subjects:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMC946</td>
<td>Research Project A</td>
<td>8</td>
</tr>
<tr>
<td>GHMC981</td>
<td>Research Project C</td>
<td>16</td>
</tr>
<tr>
<td>GHMC914</td>
<td>Thesis</td>
<td></td>
</tr>
</tbody>
</table>

Coursework will be graded in the same manner as coursework completed by candidates for the degree of Master of Psychology.

Award of the degree of Doctor of Psychology is governed by the University Rules for the award of Doctoral degrees as described elsewhere.
THE GRADUATE SCHOOL OF PUBLIC HEALTH

The following postgraduate courses are available:

- Honours Master of Science
- Doctor of Public Health
- Doctor of Philosophy
- Graduate Certificate in Public Health
- Graduate Diploma in Public Health
- Master of Public Health
- Graduate Certificate in Mental Health
- Graduate Diploma in Science (Mental Health)
- Master of Science (Mental Health)
- Graduate Certificate in Health Management
- Master of Health Management
- Master of Business Administration
- Master of Science (Health Policy and Management)
- Graduate Diploma in Science (Environmental Health)
- Master of Science (Environmental Health)

Programs in Mental Health, Public Health and Health Management are also offered by distance education. Please contact the Graduate School of Public Health directly for further details.

Occupational Health and Safety is offered jointly with the Departments of Biomedical Sciences and Management. Consult information in the Department of Biomedical Sciences pages for details.

Current Research Areas

Supervision in the following areas of research is likely to be available to candidates undertaking the Doctor of Philosophy, the Doctor of Public Health and the Honours Master of Science.

- Cardiovascular disease prevention
- Environmental Health
- Health information systems
- Health policy
- Health promotion
- Health services development and evaluation
- Health service management
- Mental health
- Nutrition (Obesity, Diabetes)
- Occupational health and safety

Honours Master of Science

The degree of Honours Master of Science is designed to provide supervised training in independent research. For candidates who are admitted with an Honours Bachelor degree or with Master of Public Health equivalent, the program will consist of 48 credit points of research leading to the submission of a thesis. For candidates who are admitted with a Bachelor degree the program will consist of 96 credit points, involving research leading to the submission of a thesis, and possibly directed coursework in research design, methodology and skills, or in other areas.

Research should be in an area of research expertise of a member of the Graduate School of Public Health. Potential candidates should discuss their research interest with the coordinator of the program and present a research project title and general outline. Once a supervisor has been approved the candidate will undertake an approved course recommended by the Departmental Head. Requirements are specified in the Honours Masters Degree Rules.

Doctor of Public Health

The Doctor of Public Health (DPhl) is a professional degree granted on successful completion of an approved program of coursework and 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 would require advanced analytical or conceptual capabilities.

The DPhl usually takes at least three years full time study. There will be no advance standing granted for previous graduate study at Masters level. The coursework involves at least one-year full time (48 credit points) in both required and elective courses. The research component of the program involves at least two years of full-time work after the coursework component. Admission to the research component requires the development of a suitable research proposal at the end of which the student sits the qualifying examination. On successful completion of the qualifying examination the student undertakes the research under supervision. At the end of this period the student will submit a thesis for examination under the regulations for Doctoral theses of the University.

Entry requirements:

To qualify for entry to the program, candidates must have a Master of Public Health degree or equivalent, usually at credit level or better, or an Honours Bachelor degree of at least Class II, Division 2 standard in a relevant discipline, followed by the equivalent of one year full time relevant and approved postgraduate study.

A student should preferably have two or more years of appropriate professional experience and have demonstrated potential capacity for leadership in the area of specialisation. Applicants should submit a record of professional experience and names of two appropriate referees.

Applicants may also be admitted with a Master's or higher degree outside the field of Public Health.

Coursework

Individual coursework programs should be decided in conjunction with the Head of Department. Applicants who have not had a background in Public Health may be advised to take four core coursework subjects listed below. Some applicants may be advised to undertake specialised programs in preparation for their research.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMD904</td>
<td>Epidemiology</td>
<td>6</td>
</tr>
<tr>
<td>GHMD983</td>
<td>Statistics in Health Research</td>
<td>6</td>
</tr>
</tbody>
</table>
Course Structures

GIIMD905  Social Foundations of Public Health  6
GIIMD984  Health Research Methodology  6

The minimum period for the completion of the degree of Doctor of Public Health will be six academic sessions of full time study. Full time students are required to submit their thesis not later than eight academic sessions from the date of candidature.

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

Doctor of Philosophy

The degree of Doctor of Philosophy (PhD) is available to candidates in the major research areas of the Graduate School of Public Health for which supervision is available, normally: Public Health, Environmental Health, Health Policy and Management, Mental Health, Nutrition, Health Information Systems, Epidemiology, Health Social Science. The PhD provides supervised research training in a program of not less than three years duration (full-time).

Admission details and regulations governing the award are set out in the University Course Rules.

Potential candidates should discuss their research plan with the Head of Department at which time the supervision arrangements of the Department will be outlined. Research will be in an area of research expertise of a member of the Department. Research seminars are held in Autumn and Spring session to assist research students in exchanges about research methodology and research content. Opportunities exist for outstanding candidates to gain scholarship support by application to the University.

Graduate Certificate in Public Health

The Public Health courses are available for on-campus attendance or nationally and internationally by distance education.

The aim of this course is to provide health professionals and others with the opportunity to develop primary competencies in public health research and evaluation.

Course Structure

The course provides students with the opportunity to gain a qualification in public health research in a flexible manner, including a choice of subjects and a manageable investment of time and money. The Graduate Certificate will be awarded on successful completion of 24 credit points of course work.

Entry Requirements

Entrants to the course normally hold a three-year undergraduate degree (or equivalent). An applicant holding other acceptable qualifications may be admitted to this course.

Articulation with the Graduate Diploma in Public Health

On completion of the Graduate Certificate in Public Health, students may apply to enter the Graduate Diploma in Public Health. Successful applicants will be required to complete a further 24 credit points of coursework from the Diploma program.

The Graduate Certificate in Public Health is awarded on the successful completion of 24 credit points of course work, selected from the following subjects:

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIIMD903*</td>
<td>Public Health Communication and Data Skills</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD904</td>
<td>Epidemiology</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD905</td>
<td>Social Foundations of Public Health</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD906</td>
<td>Quality Management for Health Services</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD908</td>
<td>Health Services Planning and Evaluation</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD909</td>
<td>Comparative Health Systems: Policies and Politics</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD912</td>
<td>Health Promotion</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD913*</td>
<td>Drug Problems and Issues</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD924</td>
<td>Health Information Systems</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD925</td>
<td>Aboriginal Health Issues</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD936</td>
<td>Public Health Nutrition</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD981*</td>
<td>Practical Applications of Service Delivery in Maternal and Child Health</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD983</td>
<td>Statistics in Health Research</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD984</td>
<td>Health Research Methodology</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD985*</td>
<td>Applied Epidemiology</td>
<td>6</td>
</tr>
<tr>
<td>GIIMD986*</td>
<td>Environmental Health</td>
<td>6</td>
</tr>
<tr>
<td>STAT252*</td>
<td>Statistics for the Natural Sciences</td>
<td>6</td>
</tr>
</tbody>
</table>

Note: GIIMD904 and GIIMD984 must be taken concurrently with STAT252 unless the student has previously studied a statistics subject.

Note: * These subjects are not available by distance education.

Graduate Diploma in Public Health

The Public Health courses are available for on-campus attendance or nationally and internationally by distance education.

This is an introduction to Public Health as the area associated with the efforts made by society to protect, promote and restore people's health. The Graduate Diploma is designed for health professionals and others intending to work in Public Health. Health is defined as a state of well being, not just the absence of disease. The goals of public health include the promotion and improvement of health as well as prevention of disease, premature death, and disease-produced discomfort and disability in the population.

Course Structure

The course requires the completion of 48 credit points of coursework. The course can be completed in one year of fulltime study or part time equivalent. Intending students requiring further course information should apply to the Graduate School of Public Health.

Entry Requirements

Candidates for the Graduate Diploma in Public Health should normally hold a relevant three-year undergraduate degree or equivalent. An applicant holding other acceptable qualifications may be admitted to this course.
Articulation with the Master of Public Health

On completion of the Graduate Diploma in Public Health, students may apply to enter the Master of Public Health and will be required to complete a further 24 cps of course work from the Master of Public Health degree.

Core Subjects

- GIIMD904 Epidemiology 6
- GIIMD905 Social Foundations of Public Health 6
- GIIMD906 Quality Management for Health Services 6
- GIIMD912 Health Promotion 6
- GIIMD983 Statistics in Health Research 6

plus at least 18 credit points selected from the Master of Public Health course structure and subjects from other departments approved by the Course Coordinator for a total of 48 credit points of coursework.

Master of Public Health

The Public Health courses are available for on-campus attendance or nationally and internationally by distance education.

The Master of Public Health provides the knowledge and understanding of the efforts made by society to protect, promote and restore the people's health. Health is defined as a state of well being, not just the absence of disease. The goals of public health include the promotion and improvement of health as well as prevention of disease, premature death, and disease-produced discomfort and disability in the population.

Course Structure

The course requires the completion of 72 credit points; six core subjects and six elective subjects. The course can be undertaken full-time over 18 months or part-time equivalent. For part time students the timetable is designed so that two core subjects may be taken on the same day. Intending students requiring further course information should apply to the Graduate School of Public Health.

Entry Requirements

Candidates for the Master of Public Health should normally hold a three-year undergraduate degree or equivalent. Candidates holding other acceptable qualifications (e.g., Registered Nurses) with appropriate experience may also be admitted on the completion of the Graduate Diploma.

International students admitted to candidature in the Master of Public Health will discuss their educational needs with the coordinator and may have a program of study specified which will best meet their requirements.

Core Subjects

- GIIMD904 Epidemiology 6
- GIIMD905 Social Foundations of Public Health 6
- GIIMD906 Quality Management for Health Services 6
- GIIMD912 Health Promotion 6
- GIIMD983 Statistics in Health Research 6
- GIIMD984 Health Research Methodology 6

Plus 36cp chosen from elective subjects:

Electives

- GIIMD903 Public Health Communication and Data Skills 6
- GIIMD907 Independent Study in Public Health 6
- GIIMD908 Health Services Planning and Evaluation 6
- GIIMD909 Comparative Health Systems: Policies and Politics 6
- GIIMD913 Drug Problems and Issues 6
- GIIMD924 Health Information Systems 6
- GIIMD925 Aboriginal Health Issues 6
- GIIMD936 Public Health Nutrition 6
- GIIMD937 Food Inspection for Public Health 6
- GIIMD981 Practical Applications of Service Delivery in Maternal and Child Health 6
- GIIMD985 Applied Epidemiology 6
- GIIMD986 Environmental Health 6
- GIIMD997 Major Project 24

On campus students will also be able to choose from subjects in Sociology, Geosciences and STS on the advice of the Course Coordinator.

Note: * These subjects are not available by Distance Education.

Note: GIIMD984 Health Research Methodology is a pre-requisite for GIIMD997 Major Project. Students must have the permission of the Coordinator to undertake GIIMD907 or GIIMD997.

Graduate Certificate in Mental Health

The Mental Health courses are available for on-campus attendance or nationally, by distance education.

The aim of this course is to provide an introduction to advanced professional education for mental health practitioners in current legislation and policy regarding the care of people with serious mental illness and recent developments in concepts, theories, and practices of mental health intervention including assessment, diagnosis, treatment and rehabilitation.

Course Structure

The course can be undertaken part-time over one year. The Graduate Certificate will be awarded on successful completion of 24 credit points of coursework.
The Graduate Diploma articulates with the Master of Science (Mental Health) in that students who successfully complete the Diploma may apply for advanced standing in 48 credit points of course work in the Master of Science degree. (Note that GHMD984 is a pre-requisite for enrolling in the Major Project).

Core Subjects
GHMD905 Social Foundations of Public Health 6
GHMD965 Principles and Practices of Psychosocial Rehabilitation 6
GHMD970 Comprehensive Systems of Mental Health Care 6
GHMD971 Assessment and Diagnosis in Mental Health 6
GHMD973 Case Management in Mental Health 6
GHMD983 Statistics in Health Research 6

Electives
ACCY969 Financial Management for Health Services 6
ECON918 Economics of Health Care 6
GHMD904 Epidemiology 6
GHMD906 Quality Management for Health Services 6
GHMD907 Independent Study in Public Health 6
GHMD908 Health Services Planning and Evaluation 6
GHMD909 Comparative Health Systems: Policies and Politics 6
GHMD913 Drug Problems and Issues 6
GHMD924 Health Information Systems 6
GHMD925 Aboriginal Health Issues 6
GHMD976 Supervised Clinical Practice 6
GHMD984 Health Research Methodology 6

Articulation with the Graduate Diploma in Science (Mental Health)
Students with appropriate entry qualifications, who complete the Graduate Certificate may, on application, be granted advanced standing totalling 24 credit points towards the award of the Graduate Diploma in Science (Mental Health).

Entry Requirements
Admission to the course is normally by applicants who hold a relevant undergraduate degree or other acceptable qualifications (e.g.; Registered Nursing Certificate), together with a minimum of one year of work in a mental health service setting. In special circumstances an applicant holding other acceptable academic or professional qualifications may be admitted to studies.

A candidate for the Graduate Diploma in Mental Health shall undertake a 24 credit point program. This includes four of the five subjects below:
GHMD965 Principles and Practices of Psychosocial Rehabilitation 6
GHMD970 Comprehensive Systems of Mental Health Care 6
GHMD971 Assessment and Diagnosis in Mental Health 6
GHMD973 Case Management in Mental Health 6
GHMD983 Quality Management for Health Services 6

Graduate Diploma in Science (Mental Health)
The Mental Health courses are available for on-campus attendance or nationally, by distance education.

The course requires the completion of 48 credit points including six core subjects (36 credit points) and 2 electives (12 credit points). Subject to approval relevant subjects from other programs may also be taken as electives.

Entry Requirements
Admission to the course is normally by applicants who hold a relevant undergraduate degree or other acceptable qualifications (e.g.; Registered Nursing Certificate), together with a minimum of one year of work in a mental health service setting. In special circumstances an applicant holding other acceptable academic or professional qualifications may be admitted to studies.

Articulation with the Master of Science (Mental Health)
The course can be undertaken full-time over one year or part-time over two years. As with the Master of Science (Mental Health) degree, the Diploma is designed with the part-time student in mind, in that wherever possible, the two subjects of the part-time load can be undertaken by attendance at the campus for one half-day per week, from 1.30pm.

The course can be undertaken full-time over one year or part-time over two years. As with the Master of Science (Mental Health) degree, the Diploma is designed with the part-time student in mind, in that wherever possible, the two subjects of the part-time load can be undertaken by attendance at the campus for one half-day per week, from 1.30pm.

The course requires the completion of 48 credit points including six core subjects (36 credit points) and 2 electives (12 credit points). Subject to approval relevant subjects from other programs may also be taken as electives.

Entry Requirements
Admission to the course is normally by applicants who hold a relevant undergraduate degree or other acceptable qualifications (e.g.; Registered Nursing Certificate), together with a minimum of one year of work in a mental health service setting. In special circumstances an applicant holding other acceptable academic or professional qualifications may be admitted to studies.

Articulation with the Master of Science (Mental Health)
The course can be undertaken full-time over one year or part-time over two years. As with the Master of Science (Mental Health) degree, the Diploma is designed with the part-time student in mind, in that wherever possible, the two subjects of the part-time load can be undertaken by attendance at the campus for one half-day per week, from 1.30pm.

The course requires the completion of 48 credit points including six core subjects (36 credit points) and 2 electives (12 credit points). Subject to approval relevant subjects from other programs may also be taken as electives.

Entry Requirements
Admission to the course is normally by applicants who hold a relevant undergraduate degree or other acceptable qualifications (e.g.; Registered Nursing Certificate), together with a minimum of one year of work in a mental health service setting. In special circumstances an applicant holding other acceptable academic or professional qualifications may be admitted to studies.

Articulation with the Master of Science (Mental Health)
The course can be undertaken full-time over one year or part-time over two years. As with the Master of Science (Mental Health) degree, the Diploma is designed with the part-time student in mind, in that wherever possible, the two subjects of the part-time load can be undertaken by attendance at the campus for one half-day per week, from 1.30pm.

The course requires the completion of 48 credit points including six core subjects (36 credit points) and 2 electives (12 credit points). Subject to approval relevant subjects from other programs may also be taken as electives.

Entry Requirements
Admission to the course is normally by applicants who hold a relevant undergraduate degree or other acceptable qualifications (e.g.; Registered Nursing Certificate), together with a minimum of one year of work in a mental health service setting. In special circumstances an applicant holding other acceptable academic or professional qualifications may be admitted to studies.

Articulation with the Master of Science (Mental Health)
The course can be undertaken full-time over one year or part-time over two years. As with the Master of Science (Mental Health) degree, the Diploma is designed with the part-time student in mind, in that wherever possible, the two subjects of the part-time load can be undertaken by attendance at the campus for one half-day per week, from 1.30pm.

The course requires the completion of 48 credit points including six core subjects (36 credit points) and 2 electives (12 credit points). Subject to approval relevant subjects from other programs may also be taken as electives.

Entry Requirements
Admission to the course is normally by applicants who hold a relevant undergraduate degree or other acceptable qualifications (e.g.; Registered Nursing Certificate), together with a minimum of one year of work in a mental health service setting. In special circumstances an applicant holding other acceptable academic or professional qualifications may be admitted to studies.

Articulation with the Master of Science (Mental Health)
The course can be undertaken full-time over one year or part-time over two years. As with the Master of Science (Mental Health) degree, the Diploma is designed with the part-time student in mind, in that wherever possible, the two subjects of the part-time load can be undertaken by attendance at the campus for one half-day per week, from 1.30pm.

The course requires the completion of 48 credit points including six core subjects (36 credit points) and 2 electives (12 credit points). Subject to approval relevant subjects from other programs may also be taken as electives.

Entry Requirements
Admission to the course is normally by applicants who hold a relevant undergraduate degree or other acceptable qualifications (e.g.; Registered Nursing Certificate), together with a minimum of one year of work in a mental health service setting. In special circumstances an applicant holding other acceptable academic or professional qualifications may be admitted to studies.
Faculty of Health and Behavioural Sciences

The course requires the completion of 72 credit points including six core subjects (36 credit points) and 2 electives (12 credit points). The remaining 24 credit points can be gained in one of two ways:

a) by undertaking four approved elective subjects totalling at least 24 credit points, or

b) by undertaking GHMD997 Major Project (24 credit points).

Note: GHMD984 Health Research Methodology is a pre-requisite for the Major Project. Students must have the permission of the Co-ordinator to undertake GHMD997.

Entry Requirements

The course is multidisciplinary and is open to appropriately qualified health professionals interested in further education and training in mental health. Entry requirements include:

i) a relevant three-year undergraduate degree or equivalent from an approved tertiary institution;

ii) two years (minimum) of relevant experience in the field.

Candidates satisfactorily completing the Graduate Diploma in Science (Mental Health) may seek admission to the Master of Science program.

Core Subjects

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMD905</td>
<td>Social Foundations of Public Health</td>
<td>6</td>
</tr>
<tr>
<td>GHMD965</td>
<td>Principles and Practices of Psychosocial Rehabilitation</td>
<td>6</td>
</tr>
<tr>
<td>GHMD970</td>
<td>Comprehensive Systems of Mental Health Care</td>
<td>6</td>
</tr>
<tr>
<td>GHMD971</td>
<td>Assessment and Diagnosis in Mental Health</td>
<td>6</td>
</tr>
<tr>
<td>GHMD973</td>
<td>Case Management in Mental Health</td>
<td>6</td>
</tr>
<tr>
<td>GHMD983</td>
<td>Statistics in Health Research</td>
<td>6</td>
</tr>
</tbody>
</table>

Note: together with at least two subjects from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCY969</td>
<td>Financial Management for Health Services</td>
<td>6</td>
</tr>
<tr>
<td>ECON918</td>
<td>Economics of Health Care</td>
<td>6</td>
</tr>
<tr>
<td>GHMD904</td>
<td>Epidemiology</td>
<td>6</td>
</tr>
<tr>
<td>GHMD906</td>
<td>Quality Management for Health Services</td>
<td>6</td>
</tr>
<tr>
<td>GHMD907</td>
<td>Independent Study in Public Health</td>
<td>6</td>
</tr>
<tr>
<td>GHMD908</td>
<td>Health Services Planning and Evaluation</td>
<td>6</td>
</tr>
<tr>
<td>GHMD909</td>
<td>Comparative Health Systems: Policies and Politics</td>
<td>6</td>
</tr>
<tr>
<td>GHMD913*</td>
<td>Drug Problems and Issues</td>
<td>6</td>
</tr>
<tr>
<td>GHMD924</td>
<td>Health Information Systems</td>
<td>6</td>
</tr>
<tr>
<td>GHMD925</td>
<td>Aboriginal Health Issues</td>
<td>6</td>
</tr>
<tr>
<td>GHMD976</td>
<td>Supervised Clinical Practice</td>
<td>6</td>
</tr>
<tr>
<td>GHMD984</td>
<td>Health Research Methodology</td>
<td>6</td>
</tr>
</tbody>
</table>

Note: together with either 24 credit points of further course work from the elective subjects listed above, or GHMD997 Major Project 24

Note: GHMD984 Health Research Methodology is a pre-requisite for GHMD997 Major Project.

Note: * These subjects are not available by Distance Education.

Subject to approval relevant subjects from other programs may also be taken as electives.

Graduate Certificate in Health Management

The Health Management courses are available for on-campus attendance or nationally, by distance education. The aim of this course is to provide an introduction to advanced professional education for health service managers in the concepts, theories, approaches and practices of health policy and management.

Course Design

The course provides students with the opportunity to gain a qualification in health service management in a flexible manner, including a wide choice of subjects and a manageable investment of time and money.

Articulation with the Master of Health Management or Master of Science (Health Policy and Management)

Students who complete the Graduate Certificate may, on application, be granted advanced standing totalling 24 credit points towards the award of the Master of Health Management or Master of Science (Health Policy and Management).

Entry Requirements

Entrants to the course normally hold a three-year undergraduate degree (or equivalent) together with a minimum of two years of relevant work experience. In special circumstances an applicant holding other acceptable academic or professional qualifications and with relevant work experience of not less than two years may be admitted as a candidate.

Course Structure

The Graduate Certificate will be awarded on successful completion of 24 credit points of course work selected from the following subjects.

Two subjects selected from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHMD906</td>
<td>Quality Management for Health Services</td>
<td>6</td>
</tr>
<tr>
<td>GHMD908</td>
<td>Health Services Planning and Evaluation</td>
<td>6</td>
</tr>
<tr>
<td>GHMD909</td>
<td>Comparative Health Systems: Policies and Politics</td>
<td>6</td>
</tr>
<tr>
<td>GHMD924</td>
<td>Health Information Systems</td>
<td>6</td>
</tr>
</tbody>
</table>

Two subjects selected from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBS901</td>
<td>Accounting for Managers</td>
<td>6</td>
</tr>
<tr>
<td>WBS903</td>
<td>Managing People in Organisations</td>
<td>6</td>
</tr>
<tr>
<td>WBS904</td>
<td>Marketing Management</td>
<td>6</td>
</tr>
<tr>
<td>WBS910</td>
<td>Economic Analysis of Health Care</td>
<td>6</td>
</tr>
</tbody>
</table>
Professional Recognition

For members of the Australian College of Health Service Executives, successful completion of individual subjects attracts Continuing Professional Development (CPD) credit.

Master of Health Management

The Health Management courses are available for on-campus attendance or nationally, by distance education.

Course Structure

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

The Master of Health Management is a 48 credit point multi-disciplinary, course work degree. The program is offered both full-time (two sessions) and part-time (four sessions) comprised of subjects from the Graduate School of Public Health and the Business School.

Entry Requirements

Candidates are required to have a three-year undergraduate degree in a relevant discipline, or equivalent, plus a total of two years full-time relevant work experience.

In special circumstances, candidates holding other acceptable academic or professional qualifications, plus a minimum of two years full-time relevant work experience, may be admitted to the program.

Articulation with the Master of Science (Health Policy & Management) & the MBA Program

The Master of Health Management (MHM) articulates with the Master of Science (Health Policy and Management) and the Business School's Master of Business Administration program. Students who have successfully completed the MHM, and who fully satisfy the entry criteria for the Master of Business Administration, may apply to enrol in the MBA program with advanced standing. MHM candidates who progress to the MBA will be required to successfully complete further MBA subjects, under the advice of the program coordinator.

Core Subjects

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tr>
<td>GHMD906</td>
<td>Quality Management for Health Services</td>
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<td>GHMD908</td>
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<td>WBS910</td>
<td>Economic Analysis of Health Care</td>
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<td>plus one elective</td>
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Master of Science (Health Policy & Management)

The Health Management courses are available for on-campus attendance or nationally, by distance education.

The Health Policy and Management courses are available for on-campus attendance or nationally, by distance education through the University of Wollongong Distance Education Programs or via Open Learning Australia (OLA).

The aim of this degree is to provide advanced study that develops professional health service managers and enhances their competence for senior management roles in the health industry. The degree is intended for graduates in health service management and other related health professions wishing to pursue a management career.

Professional Recognition

The Australian College of Health Service Executives and the Royal Australian College of Medical Administrators have accredited this degree.

Course Structure

The course develops the candidate's ability to address health service management problems and challenges in a logical and analytical manner. It emphasises the social and environmental factors impacting on the manager's task and the dynamic and pluralistic nature of health service management.

The candidate acquires concepts and knowledge relevant to the work of senior health service managers.

The course requires the completion of 72 credit points including eleven core subjects (66 credit points) and one elective subject (6 credit points).

Entry Requirements

Entrants to the course should normally hold a three-year undergraduate degree (or equivalent) in a relevant discipline together with a minimum of two years of relevant work experience. In special circumstances, an applicant holding other acceptable academic qualifications and with relevant work experience of not less than two years may be admitted as a candidate.

Core Subjects

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<td>WBS910</td>
<td>Economic Analysis of Health Care</td>
<td>6</td>
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<tr>
<td>LAW960</td>
<td>Legal Studies for Professionals</td>
<td>6</td>
</tr>
<tr>
<td>GHMD983</td>
<td>Statistics in Health Research</td>
<td>6</td>
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<tr>
<td>GHMD904</td>
<td>Epidemiology</td>
<td>6</td>
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<tr>
<td></td>
<td>and two electives*</td>
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</table>

Please note: Membership of the Australian College of Health Service Executives requires completion of GHMD904 Epidemiology.

*Please see the Program Co-ordinator for the list of electives available.
Master of Business Administration

The Health Management courses are available for on-campus attendance or nationally, by distance education.

Candidates who have successfully completed the Master of Health Management (MHM), and who fully satisfy the entry criteria for the Master of Business Administration, may apply to enrol in the MBA program with advanced standing. MHM candidates who progress to the MBA will be required to successfully complete further compulsory and specialisation MBA subjects, under the advice of the program coordinator.

Graduate Diploma in Science (Environmental Health)

The Graduate Diploma in Science (Environmental Health) is designed to cater for environmental health professionals in government or industry settings who want to upgrade their knowledge, or for Public Health Officers with an interest in environmental issues.

Course Structure

The course can be undertaken full-time over one year or part-time over two years. The course is designed with the part-time student in mind. The course requires a total of at least 48 credit points by satisfactory completion of subjects outlined in the accompanying schedule.

Candidates who satisfactorily complete the Graduate Diploma may apply for admission to the Master of Science (Environmental Health). The three core subjects of the Graduate Diploma also form part of the core subject requirements of the Master program.

Entry Requirements

Entrants to the course normally hold a relevant degree or other acceptable qualifications, together with one year of work in a relevant health area.

Core Subjects

- GHMD904 Epidemiology 6
- GHMD986 Environmental Health 6
- GHMD983 Statistics in Health Research 6

plus 30 cp chosen from the following electives:

Electives

- CIVL495 Public Health Engineering 6
- ENV1921 Environmental Planning 6
- GHMA921 Workplace Injury Management 6
- GHMA922 Occupational Hygiene and Industrial Toxicology 6
- GHMA923 OH&S Risk Management 6
- GHMD903 Public Health Communication and Data Skills 6
- GHMD905 Social Foundations of Public Health 6
- GHMD909 Comparative Health Systems: Policies and Politics 6
- GHMD912 Health Promotion 6
- GHMD985 Applied Epidemiology 6
- GIIMD984 Health Research Methodology 6
- GHMD937 Food Inspection for Public Health 6
- GHMD984 Health Research Methodology 6
- LAW960 Legal Studies for Professionals 6
- STS929 Studies in Resource and Environmental Planning 8

Master of Science (Environmental Health)

Many government and industry institutions have legal obligations in environmental health. This course is designed for those wishing to pursue a career in environmental health or for those already in the field who wish to improve their understanding of health and environmental risk assessment and management, environmental epidemiology and toxicology, with a focus on health rather than the technical aspects of environmental science.

Course Structure

A candidate for the Master of Science (Environmental Health) will successfully complete a 72 credit point program. This includes 48 credit points of Core Subjects. The remaining 24 credit points can be gained in one of two ways:

a) by undertaking 24 credit points of elective subjects; or

b) by undertaking GHMD997 Major Project (24 credit points).

Entry Requirements

Pre-requisites to enrol in the Masters Program include a foundation in chemistry, mathematics and health sciences. Entrants to the course should normally hold a three-year undergraduate degree (or equivalent) in a relevant discipline.

Enrolment in the Major Project will be contingent on availability of supervision and evidence of former successful research or project work by the student. The content matter must also agree with the subjects covered in the current research program of the University.

Core Subjects

- ENV1921 Environmental Planning 6
- GHMA923 OH&S Risk Management 6
- GHMD904 Epidemiology 6
- GHMD983 Statistics in Health Research 6
- GHMD984 Health Research Methodology 6
- GHMD985 Applied Epidemiology 6
- GHMD986 Environmental Health 6

together with either 30 credit points of further course work from the elective subjects listed below, or one elective plus

GHMD997 Major Project 24

Enrolment in the Major Project will be contingent on the availability of supervision of the project and evidence of former successful research or project work by the student. The content matter must also fit with the research program carried out at the University.

The option exists to satisfy requirements for MSc (Environmental Health) by coursework only. This would require the substitution for the Major Project of 24 cp from the following electives:
Course Structures

**Electives**
- GHMD903 Public Health Communication and Data Skills 6
- GHMD905 Social Foundations of Public Health 6
- GHMD906 Quality Management for Health Services 6
- GHMD909 Comparative Health Systems: Policies and Politics 6
- GHMD912 Health Promotion 6
- GHMD937 Food inspection for Public health 6
- LAW960 Legal Studies for Professionals 6
- STS929 Studies in Resource and Environmental Policy 8
- CIVL495 Public Health Engineering 6
- GHMA921 Workplace Injury Management 6
- GHMA922 Occupational Hygiene and Toxicology 6
- or other subjects offered by the University with the approval of the Head of Department.

**THE SMART FOODS CENTRE**

The following postgraduate courses are available:
- Doctor of Philosophy
- Graduate Certificate in Nutrition Management
- Master of Nutrition Management
- Master of Science (Nutrition Management)
- Master of Business Administration

**Current Research Areas**

**Nutrient Sources:**
- Plant biology and livestock growth and metabolism studies to provide leaner meat products and improve the delivery of beneficial nutrients into the food supply.
- Identification of novel food plants and enhancement of nutrient levels/balance in plants, meat and eggs.

**Key Nutrients:**
- Laboratory and community based studies to examine actions and health benefits of fatty acids, antioxidants, phytoestrogens and other specific nutrients.
- Bioavailability: Facilities are in place for the identification and accurate measurement of nutrients in foods and the human body.

**Clever Cuisine:**
- Research aimed at bringing together beneficial macro and micronutrients into a local cuisine optimised for metabolic fitness and prevention of conditions like diabetes, obesity, hypertension and cardiac disease.

**Consumer Insights:**
- Identification and understanding of factors that influence healthy food choices, including good policy, food labelling and consumer information sources combined with surveys of consumer preferences and sensory evaluation of foods.

**Doctor of Philosophy**

Study at the doctoral level, usually for a minimum of 3 years full-time, is by advanced research thesis. Candidates are expected to develop a research thesis that leads to an original and significant contribution to the knowledge in their particular field.

To be eligible for admission to the program, candidates must have achieved Honours Class II Division 2 or higher in their undergraduate degree, or have completed the MSc (Hons). In addition, a primary supervisor from the Department must be identified prior to commencing the degree.

**Years 1-3**

GHMA999 Major Thesis 48

**Graduate Certificate in Nutrition Management**

Drawing on cutting edge Nutrition research, students will be able to critically examine key issues relating to food product development in Australia today, and apply new knowledge and skills to developments within their own work environments.

The Graduate Certificate in Nutrition Management comprises 2 nutrition and 2 management subjects (24cp) over two sessions (part-time). This is offered in flexible delivery mode, by building up subjects through completion of short courses. The Graduate Certificate in Nutrition Management is a full fee paying program. Subjects are as follows:

Two subjects chosen from:
- SFC901 Contemporary Issues in Food and Nutrition 6
- SFC902 Food Regulation and Policy in Australia 6
- SFC903 Nutrition Research 6
- SFC904 Nutrition in Food Innovation 6

Plus two subjects chosen from:
- WBS901 Accounting for Managers 6
- WBS902 Statistics for Decision Making 6
- WBS903 Managing People in Organisations 6
- WBS904 Marketing Management 6

Students should speak to an academic adviser regarding full-time enrolment.

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Master of Nutrition Management

Drawing on cutting edge Nutrition research, students will be able to critically examine key issues relating to food product development in Australia today, and apply new knowledge and skills to developments within their own work environments.

The Master of Nutrition Management is available part time over four sessions. In addition, students may undertake another session of work including a project to receive a Master of Science (Nutrition Management) or undertake the remaining requirements of a Master of Business Administration program to achieve this as an additional qualification.

The Master of Nutrition Management comprises 4 nutrition and 4 management subjects (48cp). In 2001, only part-time attendance is available. This is offered in flexible delivery mode, by building up subjects through completion of short courses. The Master of Nutrition Management is a full fee paying program. Subjects are as follows:

```
SFC901 Contemporary Issues in Food and Nutrition 6
SFC902 Food Regulation and Policy in Australia 6
SFC903 Nutrition Research 6
SFC904 Nutrition in Food Innovation 6
WBS901 Accounting for Managers 6
WBS902 Statistics for Decision Making 6
WBS903 Managing People in Organisations 6
WBS904 Marketing Management 6
```

Students should speak to an academic adviser regarding full-time enrolment.

Master of Science (Nutrition Management)

The Master of Science (Nutrition Management) is a full fee paying program. Subjects are as follows:

Completion of the Master of Nutrition Management plus:

```
GHMA997 Major Project 24
```

or

4 electives chosen from the Master of Business Administration subjects or other subjects approved by the Associate Director (Education).

Master of Business Administration specialising in Nutrition Management

Students who have completed the requirements of the Master of Nutrition Management may progress to be MBA with 48 credit points of advanced standing.

For admission directly to the Master of Business Administration:

(i) Applicants must possess an undergraduate degree from a recognised Australian university or institution of equivalent standing with a grade average of at least 60%, or;

(ii) Applicants must possess an undergraduate degree from a recognised Australian university or institution of equivalent standing with a grade average between 50% and 59% and must also have completed a minimum of two years full time relevant work experience (managerial or supervisory in nature and/or which carries a level of responsibility) after graduation.

In special circumstances, applicants who hold other academic or professional qualifications and have a minimum of five years full time or ten years part-time relevant work experience may also be granted admission to the program.

International students must have the following English Language qualifications or equivalent - TOEFL score of 575 or an IELTS band of 6.5 with a minimum of 6.0 in reading, writing, listening and speaking.

The Master of Business Administration specialising in Nutrition Management is a full fee paying program. Subjects are as follows:

Completion of the Master of Nutrition Management plus:

```
WBS905 Economic Analysis of the Business Environment in Australia and Asia 6
WBS906 Business Information Systems 6
WBS908 Supply Chain Management Strategy 6
WBS921 Strategic Decision Making 6
WBS920 International Business Environment Strategy 6
```
Subject Descriptions

BIOMEDICAL SCIENCE

GHMA906 Research Projects 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Research report and performance
Subject Description: A one semester 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.
Subject Objectives: At the conclusion of this subject students should be able to critically evaluate scientific literature; plan, design and perform an experiment; collect and analyse data sets; evaluate data and synthesise into ideas and concepts; communicate research design, results and ideas to a general audience; place specific research area into a broader scientific setting; better understand the scientific process through the experience of research.
Additional Information: n/a
Text books: n/a

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<tr>
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<td>5 hrs/week</td>
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GHMA909 Practicum 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Report Seminars Performance
Subject Description: A subject which introduces student's to their supervisor's laboratory and allows for the development of technical skills and procedures critical to the success of their Major Project. If the student is undertaking a non-laboratory based thesis, another relevant subject may be substituted for GHMA909 with the approval of the HDR.
Subject Objectives: Students will be able to demonstrate skills and techniques associated with a specialised area acquired through practical experience.
Additional Information: n/a
Text books: n/a

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GHMA913 Special Topics 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Literature critique in specified research area.
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 literature review in the scientific style in the area related to their Major Thesis.

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GHMA914 Ergonomics 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will analyse the relationship between the nature of work and the environment. Topics covered will include the design of work stations and jobs and the capacities and limitations of the human body.
Subject Objectives: n/a
Additional Information: This subject is in the process of being changed from 8 credit points to 6 credit points.
Text books: n/a

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GHMA920 Behavioural Change: Human Factors in OH&S 6 cp
Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: Final Exam: 40%; Seminar: 20%; Assignments 40%
Subject Description: Introduces the concept of the Accident Phenomenon and how individual behaviour relates. Behavioural modification techniques will be examined and demonstrated by experienced practitioners. The students gain skills in promoting effective behaviour in OH&S, and developing programs (such as Not at Work Mate - Drugs and Alcohol Abuse) which gain acceptance for this behavioural change.
Subject Objectives: At the conclusion of the subject students will be able to apply the concepts and principles of behavioural learning in the field of OH&S. Students will develop effective programs (such as Not at Work Mate - Drugs and Alcohol Abuse) which gain acceptance for this behavioural change.
Additional Information: The schedules affected by the introduction of this subject are: Graduate Diploma of Science (Occupational Health and Safety) and the Bachelor of Science (Occupational Health and Safety)
Text books: TBA

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GHMA921 Workplace Injury Management 6 cp
Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a
Assessment: Seminar 25% Strategic Plan 25% Assignments 50%
Subject Description: Topics include the history and development of occupational health and safety, health promotion in the workplace including stress management, the management of injury and disease, the principles of a healthy lifestyle and workplace health surveillance. Students will be exposed to workplace rehabilitation facilities to demonstrate practical applications of occupational rehabilitation.
Subject Objectives: At the conclusion of the subject students will be able to apply the concepts and principles of behavioral learning so as to directly influence behavioral modification and acceptance of behavioral change related to Occupational Health and Safety in the workplace.

Additional Information: The schedules affected by the introduction of this subject are: Graduate Certificate in Occupational Health and Safety Graduate Diploma of Science (Occupational Health and Safety) Master of Science (Occupational Health and Safety)

Text books: TBA

Session contact campus delivery method
Autumn 3 hrs per Wollongong On Campus week

GHMA922 Occupational Hygiene and Toxicology 6 cp

Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a

Assessment: Seminar/Presentation 20% 8 Topical Tests based on the modules (8 x 10%) 80%
Subject Description: Introduces the fundamental of basic anatomy and toxicology, route of absorption, target organs, dose, threshold and tolerance, toxic effect and mechanisms of disease. Workplace exposure standards will be explored and the Hierarchy of Control to eliminate the hazard or reduce the level risk associated with exposure. Techniques for measuring dusts, gases, vapours, microbiological hazards and physical agents will be explored with practical demonstrations held.

Subject Objectives: Students will gain an understanding of how contaminants pose a risk to our health, the ways in which they enter the human body and the "dose-effect" relationship. They will be capable of identifying suitable monitoring techniques, and equipment used to quantify exposure, and factors which can influence measurements such as worker activity, temperature and sampling duration.


Text books: TBA

Session contact hours campus delivery method
Spring 3 hrs Wollongong On Campus week

GHMA923 OH&S Risk Management 6 cp

Pre-requisites: Nil
Co-requisites: Nil
Restrictions: n/a
Exclusions: n/a

Assessment: Seminar/Presentation 40% 2 Topical Tests (2 x 10%) 20% 2 Assignments (2 x 20%) 40%
Subject Description: This subject will explore the nature of risk, hazard identification, risk assessment and control. Suitable hazard studies (Hazpac & Job Safety Analysis) and risk modeling techniques (HAZOP, HAZAN & PHA) will be introduced to allow for the prediction of risk and the development of risk management strategies.

Subject Objectives: Students acquire an understanding of the concepts of risk, identifying and selecting the appropriate hazard study and risk modeling technique for the purpose of managing risks. There will be particular focus upon the Australian/New Zealand Standard for Risk Management (AS/NZS 4360, 1999)


Text books: n/a
Healthy Eating and Dietary Guidelines for Australians. Recommend food based dietary changes for healthy populations to meet national guidelines.

**Additional Information:** Please note that the subject is currently under review.

**Text books:** n/a

**Session** | contact | campus | delivery | method
---|---|---|---|---
Autumn | 3L, 3P/T | Wollongong | On Campus |

**GHMA932 Research in Human Nutrition** 8 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Assignments, examination

**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 topics, topics will include diet intake methodology, the use of nutrient databases, biomedical assays and indicators, epidemiological and ethnographic approaches as they relate to nutrition.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

**Session** | contact | campus | delivery | method
---|---|---|---|---
Autumn | 4L/S p/w | Wollongong | On Campus |

**GHMA933 Communication in Healthcare Practice** 8 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Assessment in Small Group 40%, Assessment in Counselling 30%, Assessment in Team Activities 30%

**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.

**Subject Objectives:** By the end of the session, you will be able to:
1. Outline contemporary theory on how people learn, and apply this to the design of a small group education session in a healthcare setting.
2. Conduct and evaluate a small group education session.
3. Analyse the communication processes displayed in healthcare counselling.
4. Conduct a counselling session at a basic level.
5. Prepare for media interviews and write press releases.
6. Participate constructively in group discussions in a range of settings where healthcare providers have a significant role.

**Additional Information:** Students may be required to visit worksites to observe and practise skills, as directed by the subject coordinator.

**Text books:** n/a

**Session** | contact | campus | delivery | method
---|---|---|---|---
Autumn | 4L/S p/w | Wollongong | On Campus |

**GHMA934 Dietetics** 8 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Assignment 18%, 8 Case Studies 32%, Final Exam 50%

**Subject Description:** Dietetics concerns the manipulation of food and dietary data with the aim of supporting nutritional health. This subject focuses attention on the nutritional needs of individuals, in clinical and community health settings, where nutritional intervention will improve or support the quality of life. This subject will draw upon much of your undergraduate and postgraduate studies. In particular you should revise your understanding of nutrition through the life cycle, human physiology and metabolic biochemistry.

**Subject Objectives:** By the end of this session, students should be able to demonstrate knowledge sufficient to ensure safe practice of dietetics; interpret and translate scientific knowledge and principles related to nutrition into practical information; collect, organise and assess data relating to the health and nutritional status of individuals and groups.

**Additional Information:** n/a

**Text books:** n/a

**Session** | contact | campus | delivery | method
---|---|---|---|---
Autumn | 4L/S p/w | Wollongong | On Campus |

**GHMA935 Food Service and Dietetics Management** 8 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Menu Assignment 25% Group Consultancy 25% Management Assignment 25% TAFE Cookery 25%

**Subject Description:** The subject focuses on the development of small and large scale cooking skills, menu planning and standard recipe manipulation in keeping with dietetic modifications. There is some skills development in managing 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.

**Subject Objectives:** n/a

**Additional Information:** Contact hours: 3 hrs lectures/seminars per week plus average 1.5 hrs TAFE per week (block times as scheduled)

**Text books:** n/a

**Session** | contact | campus | delivery | method
---|---|---|---|---
Autumn | See | Wollongong | On Campus |

**GHMA937 Practical Studies in Nutrition and Dietetics** 24 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** This subject comprises a practicum of at least 16 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.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a
Session  | contact | campus     | delivery method |
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<td>Annual</td>
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**GHMA938 Practicum in Dietetics and Exercise Science A** 16 cp

**Pre-requisites:** GHMA934 OR BEXS402

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** This subject comprises a practical of at least 10 weeks duration which is spent in community health/fitness centres, hospitals and other food-related organisations. The students will be under the supervision of experienced practitioners appropriate to the placement requirements ie dietitians and exercise scientists. This placement is designed to develop the student's skills and competencies in the range of areas including provision of community nutrition programs and the design and delivery of exercise interventions for the general community. It also provides the students with opportunities to enhance and demonstrate both interviewing and counselling skills, as well as information and behaviours required to allow the Dietitian/Exercise Scientist 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. This placement also partly meets requirements of the Dietitians Association of Australia, the balance of those requirements being met through the second placement program conducted in the final year of the MSc(Dietetics and Exercise Science) course.

**Subject Objectives:**

- Not offered in 2000

**Additional Information:**

- Text books: n/a
- Session: contact campus delivery method n/a

**GHMA939 Practicum in Dietetics and Exercise Science B** 16 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** This subject comprises a practical of at least 10 weeks duration which is spent in the health care system or within organisations providing services for people with pathology. The students undertaking this subject will be under the supervision of experienced practitioners appropriate to the placement requirements ie nutritionists, dietitians and exercise scientists. This placement is designed to develop the student's skills and competencies including provision of hospital-based nutrition and food service programs and the design and delivery of nutritional and exercise interventions for clients with pathology such as post-coronary patients, patients attending impatient obesity clinics and those people experiencing musculoskeletal pathology. This subject completes placement requirements of the Dietitians Australian Association of Australia and Australian Association for Exercise and Sports Science.

**Subject Objectives:** n/a

**Additional Information:** Not offered in 2000

**Text books:** n/a

**Session**

- contact campus delivery method
- n/a

**GHMA951 Exercise Rehabilitation I: Musculoskeletal** 8 cp

- Pre-requisites: BMS351,BMS203,BMS242
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a

**Assessment:** Theory Exam 25% Clinical Exam 75%

**Subject Description:** This subject extends the study of exercise rehabilitation providing revision related to the structure and function of major joints and introduces common pathologies - mechanisms and outcomes. The subject covers information related to evaluation of the injured site and the design and management of appropriate exercise rehabilitative techniques designed to improve functional capabilities and prevent re-injury. This subject also focuses on cardiovascular pathology providing essential information about the design and management of post-coronary exercise interventions.

**Subject Objectives:**

- Not offered in 2000

**Text books:**

**Session**

- contact campus delivery method
- Autumn 21, 3P Wollongong On Campus

**GHMA952 Exercise Rehabilitation II: Cardiorespiratory & Neurological** 8 cp

- Pre-requisites: BMS351,BMS203,BMS242
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: BEXS452

**Assessment:** 2 Assignments each worth 25% 2 Assignments each worth 25%

**Subject Description:** This subject investigates the use of exercise as a clinical rehabilitative tool for patients with cardiovascular or neurological pathologies. The subject covers information related to evaluation of the injured site and the design and management of appropriate exercise rehabilitative techniques to improve functional capabilities and enhance quality of life.

**Subject Objectives:**

- Not offered in 2000

**Additional Information:** Textbook: ACSM Exercise Testing & Prescription for Special Populations

**Text books:** n/a

**Session**

- contact campus delivery method
- Autumn 2L, 3P Wollongong On Campus

**GHMA997 Major Project** 24 cp

- Pre-requisites: Satisfactory prior knowledge of research methods. Consult academic adviser.
- Co-requisites: n/a
- Restrictions: n/a
- Exclusions: n/a

**Assessment:** Report 80% Poster 10% Presentation 10%

**Subject Description:** Group or individual research project designed to give student an intensive one session research experience under the guidance of an academic supervisor. By the end of the session student
Subject Descriptions

will be able to - 1. state the type of study 2. state the study objectives 3. state the hypothesis or guiding questions 4. define subjects 5. describe variables 6. describe materials and methods required for data collection

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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GHMA998  Introduction to Major Thesis  

Pre-requisites: GHMA906, GHMA909, GHMA913

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Research Proposal 40% Oral Presentation 30% Supervisor's Report 30% Research (Initiation of major thesis)

Subject Description: This subject GHMA998, along with GHMA999-Major Thesis (48cp), constitute the 72cp research thesis component of the 96cp MSc (Hons) program. Students will be required to prepare, in a scientific style, a major research proposal document comprising of (i) a critical evaluation of existing research literature, (ii) clear articulation of hypothesis/es and ideas, (iii) a thorough detailing of all proposed experimental and statistical methods and (iv) a clear indication of the expected outcomes and sequencing/timing of the research plan. Students will also be required to present a research proposal seminar to departmental staff and postgraduate students. The oral presentation, along with the written proposal, will be evaluated by the department's Academic Program Committee (APC) and once approved the student will commence their experimental plan as outlined in the proposal document.

Subject Objectives: Students will be able to: 1. Critically analyse research literature, devise hypothesis and design appropriate research methodologies 2. Prepare a major written research proposal in the scientific style. 3. Prepare and present an oral presentation outlining and, if required, defending the proposed research and its design. 4. Evaluate feedback and incorporate pertinent aspects into the proposed research. 5. Apply research skills to commence proposed research plan.

Additional Information: n/a

Text books: n/a

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GHMA999  Major Thesis  

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Refereed Thesis

Subject Description: n/a

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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NURSING

GHMB900 Nursing: The Professional Context 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Students will be encouraged to explore nursing topics currently raising controversy and debate within the professional milieu of the nursing profession. Issues which impact on nursing education and management will be examined. Topps will include the career structure for the nursing profession and the role of the nurse within this context.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Autumn 3 per week Wollongong On Campus

GHMB902 Nursing Management 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The basic concept of nursing administration at the ward, middle management, and at senior levels will be introduced. Differences in management style, ward design and its impact on care delivery, nursing care delivery assignments, and nursing involvement in the public and private sector will be examined.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Spring 3 per week Wollongong On Campus
Autumn 3 per week Wollongong On Campus

GHMB903 Scientific and Qualitative Developments in Acute Care Nursing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Spring 3 per week Wollongong On Campus

GHMB904 Modalities of Care: Mental Health 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject addresses the most frequently used therapeutic modalities from mental health nursing perspectives. Selected theoretical approaches are discussed for each treatment modality. Specific characteristics of each type of therapy are presented. In addition, the psychiatric nurse's role and goals for therapy are described and analysed.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Autumn 3 per week Wollongong On Campus

GHMB905 Special Topic in Nursing 12 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Annual 3 per week Wollongong On Campus
Spring 3 per week Wollongong On Campus
Autumn 3 per week Wollongong On Campus

GHMB906 Acute Care Nursing: Reflections on Practice 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Autumn 3 per week Wollongong On Campus

GHMB907 Fundamental Concepts in Developmental Disability 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Provides the basic scientific knowledge on which developmental disability practice is based. Emphasis upon the student gaining sound understanding of the nature of developmental disability within a broad social context. The body of knowledge which defines and identifies the nature of the group and the philosophical and ethical foundations for practice will be addressed in this course.
Subject Objectives: n/a
Subject Descriptions

Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn n/a Wollongong Flexible

GHMB908 Applied Behavioural Science For Developmental Disability Practice 6 cp
Pre-requisites: GHMB907 Fundamental Concepts in Developmental Disability
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Developmental disability practice makes extensive use of such skills and roles as assessment, teaching, programming, behaviour management and supportive counselling. Therefore the student requires a knowledge of selected principles drawn from the behavioural sciences. This subject will provide the necessary theoretical framework, together with an emphasis on practical application and problem-solving skills.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong Flexible

GHMB909 Multiple Disability 6 cp
Pre-requisites: GHMB907 Fundamental Concepts in Developmental Disability
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The problems associated with clients with multiple disability are usually more complex and long-term than those of clients with a single disability. These clients proviude a particular challenge to staff and demand highly individualised and innovative care. Developmental disability may also be complicated by the stresses of transition through the life-cycle, by institutionalisation or by socio-economic problems. This course will address these issues.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

GHMB910 Contemporary Issues in Developmental Disability 6 cp
Pre-requisites: GHMB907 Fundamental Concepts in Developmental Disability
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: It is vitally important that practitioners in the field of developmental disability are willing to critically assess current practice and to objectively consider other service options. There are also a number of controversial issues in relation to the rights and responsibilities of people with development-mental disabilities that must be addressed. This course will require independent and thoughtful analysis of such issues and critical assessment of current practice.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery hours method
n/a

GHMB920 Applied Midwifery Studies 12 cp
Pre-requisites: GHMB921 and GHMB922 (Part-time students)
Co-requisites: GHMB924, GI1MB921, GHMB922 (Full-time students)
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject is designed to prepare the student as a safe beginning midwifery practitioner to care for the family throughout pregnancy, parturition and the puerperium. Clinical practice will consist of the experiences suggested by the NSW Nurses' Registration Board.
Subject Objectives: n/a
Additional Information: Students must complete 900 hours supernumerary mode or no less than 1200 hours part supernumerary/part paid.
Text books: n/a
Session contact campus delivery hours method
Annual n/a Wollongong On Campus

GHMB921 Reproductive Bioscience 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Designed to provide students with advanced knowledge of anatomy, physiology and pathophysiology related to conception, pregnancy and parturition. Biochemical, nutritional, genetic and teratogenic influences on conception and embryonic, fetal, neonatal and maternal development will be addressed. Technology used in assessment, diagnosis and intervention at all stages of the reproductive process will be explained.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Annual 2 per week Wollongong On Campus

GHMB922 Psychosocial Development of the Family 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject will provide the student with an in depth knowledge of theory and research, on psychological, sociological and cultural influences during pregnancy, birth, and the antenatal period, and the implications of this for mental health throughout the lifespan.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Annual 2 per week Wollongong On Campus

GHMB923 Legal and Professional Issues 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Combination of seminar presentation and written assessment.
Subject Description: This subject is designed to provide students with a knowledge of legal and professional issues in relation to their area of clinical practice. Relevant Australian legislation, appropriate case law and examples of moral reasoning will be used to provide a framework for clinical decision-making.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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GHMB924 Midwifery Studies 8 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: This subject provides the theoretical framework for the student to function as a safe beginning practitioner caring for childbearing women and families through pregnancy, labour and the puerperium. An evidence-based approach to clinical practice and an ability to review literature critically will be encouraged.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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GHMB927 An Introduction to Human Anatomy and Physiology 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: Entry on advice from Postgraduate Coordinator only

Exclusions: n/a

Assessment: n/a

Subject Description: This subject is designed to give the student an understanding of the structure and functioning of the human body. As this is a course designed for non-medical health professionals the major emphasis is on physiology rather than anatomy. All the organ systems of the human body are studied and appropriate links are made with both pathophysiology and human development. The laboratory sessions form an integral part of the course, expanding on and complementing the lectures. They allow time for more in-depth study of structure and illustrate functioning through a series of carefully designed experimental procedures.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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GHMB930 Clinical Education 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: The concepts and practice of clinical education will be introduced. Addressed will be issues relating to the role of the clinical educator, factors influencing student learning, teaching strategies and teaching resources in clinical settings, the clinical environment as an educational topic, and bridging the theory and practice gap. Clinical education research and the health professional responsibilities and leadership in clinical education will be discussed.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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GHMB931 Clinical Supervision and Assessment 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: This subject covers the theoretical and practical aspects of clinical supervision and assessment within the health service context. It introduces the concept of competency based assessment, its origins, limitations and practical applications to assessment of professional performance. Students will critically assess and utilise a range of assessment tools and develop skills in assessing students both formatively and summatively. Practice experience in supervising performance and giving feedback will be included.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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<td>Spring</td>
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GHMB940 Indigenous Family Studies 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: This subject examines traditional Aboriginal family structures, kinship systems, child-rearing practices, the role of women within the Aboriginal family and the health related situations in town-camps.

Additional Information: The subject name may change in Spring Session. Please contact Samia_Goudie@uow.edu.au or on 02) 4221 3576 for further information. This subject is offered as flexible delivery.

Text books: n/a

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GHMB941 Indigenous Health Patterns 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: This subject examines different approaches to the study of Aboriginal health, contemporary patterns of morbidity and mortality, various health services and the related needs and community empowerment.

Subject Objectives: n/a

Additional Information: The subject name may change in Spring Session. Please contact Samia_Goudie@uow.edu.au or on 02) 4221 3576 for further information. This subject is offered in Summer Session as half day in December and one week block in January. During Autumn and Spring Sessions it is offered as flexible delivery.

Text books: n/a
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<td><strong>GHMB942 Special Topic</strong> 12 cp</td>
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<td>Exclusions: n/a</td>
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<td>Assessment: n/a</td>
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<tr>
<td>Subject Description: The subject examines the factors affecting illness patterns, health area analysis, epidemiological considerations and health program delivery patterns about the topic under consideration in an Indigenous context. In addition, health audit procedures, service efficiency, service appropriateness and interagency coordination will be scrutinised in an Indigenous context.</td>
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<tr>
<td>Subject Objectives: n/a</td>
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<tr>
<td>Additional Information: The subject name may change in Spring Session. Please contact <a href="mailto:Samia_Goudie@uow.edu.au">Samia_Goudie@uow.edu.au</a> or on 02) 4221 3576 for further information. This subject is offered as flexible delivery.</td>
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<td>Text books: n/a</td>
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| **GHMB943 Health and Human Ecology** 6 cp |
| Pre-requisites: n/a |
| Co-requisites: n/a |
| Restrictions: n/a |
| Exclusions: n/a |
| Assessment: n/a |
| Subject Description: This subject examines global health care issues that impact upon society, with particular emphasis upon Indigenous communities. Pathogenic, social, political and economic processes that underlie health and health care are discussed. |
| Subject Objectives: n/a |
| Additional Information: The subject name may change in Spring Session. Please contact Samia_Goudie@uow.edu.au or on 02) 4221 3576 for further information. This subject is offered as flexible delivery. |
| Text books: n/a |
| Session contact campus delivery method |
| To be advised, refer Department |
| Wollongong On Campus |

| **GHMB944 Community Resource Planning** 6 cp |
| Pre-requisites: n/a |
| Co-requisites: n/a |
| Restrictions: n/a |
| Exclusions: n/a |
| Assessment: n/a |
| Subject Description: In this subject students will apply the principles of primary health care to design and develop a project for an Indigenous community. Content includes: theoretical frameworks for community development. Application of these to community controlled organisations. Health promotion - a theoretical framework. Health promotion - application of theoretical perspectives to community controlled organisations. Needs assessment in a community controlled context. Differentiation of needs assessment strategies between mainstream health services and community controlled organisations. |
| Subject Objectives: n/a |
| Additional Information: The subject name may change in Spring Session. Please contact Samia_Goudie@uow.edu.au or on 02) 4221 3576 for further information. This subject is offered in Autumn Session as flexible delivery and in Spring Session on campus over 3 weekends or flexible delivery. |
| Text books: n/a |
| Session contact campus delivery method |
| To be advised, refer Department |
| Wollongong On Campus |

| **GHMB945 Contemporary Indigenous Health Issues** 6 cp |
| Pre-requisites: n/a |
| Co-requisites: n/a |
| Restrictions: n/a |
| Exclusions: n/a |
| Assessment: n/a |
| Subject Description: This subject examines health issues of importance to Aboriginal families from an historical perspective. The impact of changing policy directions upon health service provision and morbidity and mortality is also examined. |
| Subject Objectives: n/a |
| Additional Information: n/a |
| Text books: n/a |
| Session contact campus delivery method |
| To be advised, refer Department |

| **GHMB946 Functional Community Structures** 6 cp |
| Pre-requisites: n/a |
| Co-requisites: n/a |
| Restrictions: n/a |
| Exclusions: n/a |
| Assessment: n/a |
| Subject Description: This Reflective Practice subject develops (or enhances existing) personal conceptual frameworks and skills of reflectivity applicable to practice, so as to enable participants to 'stand back' from situations, to see the 'whole of the moon' rather than just 'the crescent'. The subject promotes reflection upon theory and research which underpins practice, so as to enable participants to identify potential areas for practice development and meaningful research. |
| Subject Objectives: n/a |
| Additional Information: n/a |
| Text books: n/a |
GHMB951 Reflective Practice 2 6 cp

Pre-requisites: GHMB950
Co-requisites: n/a
Restrictions: Entry on advice from Postgraduate Coordinator only
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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GHMB989 Mental Health Nursing: Clinical Principles and Practice 12 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Students will combine theoretical underpinnings of mental health with a supervised clinical practice that will provide the opportunity to develop and refine clinical skills and interventions for people seriously affected by mental illness. Requirements for the clinical practice component will be based on best practice guidelines and students will utilise a reflective model to identify areas of professional development.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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GHMB990 Applied Midwifery Studies - Part 1 6 cp

Pre-requisites: GHMB921 and GHMB922 (Part-time students)
Co-requisites: GHMB924, GHMB921, GHMB922 (Full-time students)
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject is designed to prepare the student as an autonomous midwifery practitioner to care for the family throughout pregnancy, parturition, and the puerperium. Clinical practice will consist of the experiences suggested by the NSW Nurses' Registration Board.

Subject Objectives: n/a

Additional Information: Students must complete 900 hours supernumerary mode or no less than 1200 hours part supernumerary/part paid.

Text books: n/a

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GHMB991 Applied Midwifery Studies - Part 2 6 cp

Pre-requisites: GHMB921 and GHMB922 (Part-time students)
Co-requisites: GHMB924, GHMB921, GHMB922 (Full-time students)
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject is designed to prepare the student as an autonomous midwifery practitioner to care for the family throughout pregnancy, parturition and the puerperium. Clinical practice will consist of the experiences suggested by the NSW Nurses' Registration Board.

Subject Objectives: n/a

Additional Information: Students must complete 900 hours supernumerary mode or no less than 1200 hours part supernumerary/part paid.

Text books: n/a

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GHMB997 Major Project 24 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: Entry on advice from Postgraduate Coordinator only
Exclusions: n/a
Assessment: Major Thesis

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.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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GHMB998 Minor Thesis 24 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: Entry on advice from Postgraduate Coordinator only
Exclusions: n/a
Assessment: Minor Thesis

Subject Description: This is a major component of a combined coursework/thesis program in the Masters of Nursing undertaken by candidates enrolled in the Department of Nursing. 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 co-ordinator of the subject and the Head of the Nursing Department. Students will be required to present a seminar on their chosen thesis topic prior to completion of the thesis.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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GHMB999 Major Thesis 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: Entry on advice from Postgraduate Coordinator only
Exclusions: n/a
Assessment: Major Thesis
Subject Description: A thesis must be submitted and assessed according to the Course Rules for the research degree. Thesis work is only commenced with the approval from the co-ordinator of the subject and the Head of the Nursing Department. Students will be required to present a seminar on their chosen thesis topic prior to completion of the thesis.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

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GHMC908 Professional Issues in Psychology 4 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Report on personal learning or group process, case report on ethical or legal issues.
Subject Description: Focuses on ethical and legal issues relevant to clinical psychologists. Other areas of professional practice covered include: communication, the NSW Mental Health Act, Supervision, quality assurance and burn-out and self care.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery | method
--- | --- | --- | --- | ---
Spring | 1.5 hrs | Wollongong | On Campus | seminar

GHMC910 Child and Family Psychology 4 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Essay on models, in class exam, case report.
Subject Description: This subject examines models of intervention for individual, groups and larger populations. The origins of stress, immune system functioning and coping skills are examined within a health and well being focus as well as from an illness perspective. Focus will be on applications where a clinical psychologist in practice may be active, including pain, cancer, cardiovascular disease, HIV/ AIDS, and living with chronic and terminal illness.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery | method
--- | --- | --- | --- | ---
Autumn | 1.5 hrs | Wollongong | On Campus | seminar

GHMC914 Thesis 48 cp

Pre-requisites: Available to graduates with an Honours degree of at least Class II Division 1 standard or equivalent in Psychology.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery | method
--- | --- | --- | --- | ---
Annual | n/a | Wollongong | On Campus | seminar

GHMC918 Thesis 48 cp

Pre-requisites: Entry into the PhD program is not made until students have shown sufficient progress in the Master or Doctor of Psychology program.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This thesis for the Doctor of Philosophy (Clinical) requires the equivalent of 5.5 full-time sessions of study or its part-time equivalent.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery | method
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Annual | n/a | Wollongong | On Campus | seminar

GHMC919 Clinical Applications of Health Psychology 4 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Class presentation 25%, in class test 30%, case study treatment plan 45%
Subject Description: This subject examines models of intervention for individual, groups and larger populations. The origins of stress, immune system functioning and coping skills are examined within a health and well being focus as well as from an illness perspective. Focus will be on applications where a clinical psychologist in practice may be active, including pain, cancer, cardiovascular disease, HIV/AIDS, and living with chronic and terminal illness.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery | method
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Autumn | 1.5 hrs | Wollongong | On Campus | seminar

GHMC926 Counselling Skills 4 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Transcript analysis, video/audio tape evaluation of applied counselling skills and participation.
Subject Description: The subject focuses on the development of counselling skills from a client-centred and cognitive behavioural therapy (CBT) perspective. A workshop format involving roleplay, observation, feedback and discussion will be used. The subject will examine concepts and procedures of cognitive therapy, and its application to a range of problems.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery | method
--- | --- | --- | --- | ---
Autumn | 1.5 hrs | Wollongong | On Campus | seminar

GHMC931 Clinical Neuropsychology 4 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Seminar presentation, assignments, examinations.
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.
Subject Descriptions

**GHMC932 Sociocultural Aspects of Applied Psychology** 4 cp

*Subject Objectives:* None
*Additional Information:* n/a
*Text books:* n/a

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**GHMC933 Professional Workshop Series A** 4 cp

*Pre-requisites:* None
*Co-requisites:* n/a
*Restrictions:* n/a
*Exclusions:* n/a

*Assessment:* Case work and/or essay based on specified workshops.

*Subject Description:* The subject aims to orient students to a wide variety of approaches and skills pertinent to specialised areas in professional psychology, and to develop skills in one or more designated areas. The subject includes a number of workshop sessions relevant to the practice of professional psychology and conducted by qualified persons from both within the university and from external agencies who have expertise in an area of professional practice.

*Subject Objectives:* n/a
*Additional Information:* Not available in 2000
*Text books:* n/a

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**GHMC934 Professional Workshop Series B** 4 cp

*Pre-requisites:* None
*Co-requisites:* n/a
*Restrictions:* n/a
*Exclusions:* n/a

*Assessment:* Case work and/or essay based on specified workshops, final examination.

*Subject Description:* The subject aims to orient students to a wide variety of approaches and skills pertinent to specialised areas in professional psychology, and to develop skills in one or more designated areas. The subject includes a number of workshop sessions relevant to the practice of professional psychology and conducted by qualified persons from both within the University and from external agencies who have expertise in an area of professional practice.

*Subject Objectives:* n/a
*Additional Information:* n/a
*Text books:* n/a

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**GHMC938 Practicum 1A** 4 cp

*Pre-requisites:* None
*Co-requisites:* GHMC933 Professional Workshop Series A
*Restrictions:* n/a
*Exclusions:* n/a

*Assessment:* Clinical assessment, field placement reports, psychological case reports.

*Subject Description:* The subject aims to orient students to a wide variety of approaches and skills pertinent to specialised areas in professional psychology, and to develop skills in one or more designated areas. The subject includes a number of workshop sessions relevant to the practice of professional psychology and conducted by qualified persons from both within the University and from external agencies who have expertise in an area of professional practice.

*Subject Objectives:* n/a
*Additional Information:* n/a
*Text books:* n/a

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**GHMC939 Introduction to Cognitive Behavioural Therapy** 4 cp

*Pre-requisites:* None
*Co-requisites:* GHMC938 Practicum 1A
*Restrictions:* n/a
*Exclusions:* n/a

*Assessment:* Audio or video-taped, written examination.

*Subject Description:* The subject aims to orient students to a wide variety of approaches and skills pertinent to specialised areas in professional psychology, and to develop skills in one or more designated areas. The subject includes a number of workshop sessions relevant to the practice of professional psychology and conducted by qualified persons from both within the University and from external agencies who have expertise in an area of professional practice.

*Subject Objectives:* n/a
*Additional Information:* n/a
*Text books:* n/a

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**GHMC942 Practicum 1B** 4 cp

*Pre-requisites:* GHMC938 Practicum 1A
*Co-requisites:* n/a
*Restrictions:* n/a
*Exclusions:* n/a

*Assessment:* Psychological assessment and/or therapy reports, field placement notebooks, reports from external supervisors.

*Subject Description:* The subject aims to orient students to a wide variety of approaches and skills pertinent to specialised areas in professional psychology, and to develop skills in one or more designated areas. The subject includes a number of workshop sessions relevant to the practice of professional psychology and conducted by qualified persons from both within the University and from external agencies who have expertise in an area of professional practice.

*Subject Objectives:* n/a
*Additional Information:* n/a
*Text books:* n/a

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GHMC943 Practicum 2A 4 cp
Pre-requisites: GHMC938 Practicum 1A
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Case presentation, field placement notebooks, reports from external supervisors, assessment and/or therapy reports
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact hours | campus | delivery method
Autumn | n/a | Wollongong | On Campus

GHMC944 Practicum 2B 4 cp
Pre-requisites: GHMC938 Practicum 1A
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Psychological assessment and/or therapy reports, field placement notebooks, reports from external supervisors, audio tape of therapy session.
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact hours | campus | delivery method
Spring | n/a | Wollongong | On Campus

GHMC946 Research Project A 8 cp
Pre-requisites: Successful completion of the 1st year Clinical programme
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Research Project A aims to equip 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 and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact hours | campus | delivery method
Autumn | 6 cp | Wollongong | On Campus

GHMC947 Research Project B 16 cp
Pre-requisites: Successful completion of the 1st year Clinical programme
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact hours | campus | delivery method
Spring | 8 cp | Wollongong | On Campus

GHMC952 Professional Skills for Psychologists 6 cp
Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Two short essays plus two of the following three: counselling interview, conflict resolution interview, grant application.
Subject Description: The subject aims to familiarise students with a range of skills central to the profession of psychology. Areas covered include: ethics, applying for grants, active listening and communication skills, conflict resolution, supervision, report writing and professional registration.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery method
Autumn | 1hr lect/1hr sem. | Wollongong | On Campus

GHMC964 Cognitive and Affective Neuroscience 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The emphasis in this subject will be on the use of physiological measures to explore human brain function in relation to a range of psychological concepts such as arousal, stress, anxiety and depression, personality, perception, learning, cognition. The subject will include laboratory sessions developing expertise in electrophysiological recording, involvement in on-going departmental research, and a small individual pilot project (which may form the basis for subsequent independent research).
Subject Objectives: n/a
Additional Information: SUBJECT NOT ON OFFER IN 2000
Text books: n/a
GHMC969 Advanced Cognitive Behavioural Therapy 8 cp

Pre-requisites: GHMC939 Introduction to CBT
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Audio-tape of therapy conducted by student, examination.

Subject Description: The subject aims to provide students with training in the practical applications of cognitive behavioural therapy (CBT) in clinical settings among both adult and child populations. Topics will include: rationale for the selection of treatment strategies, description of therapeutic procedures, and outcome research for a wide range of disorders including anxiety, mood, eating, substance abuse and chronic psychiatric disorders. Training methods will include demonstration of therapy, role-play and feedback sessions.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

GHMC967 Models of the Human Brain and Their Applications 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The biophysics of human brain function is the frame of reference for all subject content. It explores a broad range of approaches, including evolutionary and anatomical models of the brain, models of electrical and metabolic brain function, psychological models of the brain, artificial neural networks and artificial intelligence models, the mind/body problem, psychoanalytic and psychotherapy models, brain imaging technologies, application of brain models to psychology, medicine, artificial neural networks and artificial intelligence, and human-computer interactions.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery method
n/a

GHMC970 Assessment and Psychopathology A 8 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Psychological test reports and exam.

Subject Description: The subject aims to provide students with an overview of descriptive psychopathology. Issues surrounding models of abnormal behaviour and the classification of mental disorders will be examined. The signs and symptoms associated with less severe psychological disorders and the assessment of these conditions by clinical interview and psychological tests will be covered. The subject also covers the theoretical rationale and procedures for administration, scoring and interpretation of core psychological tests. Ethical issues will also be examined.

Session contact campus delivery method
Spring 2 x 2hrs seminar Wollongong On Campus

GHMC971 Assessment and Psychopathology B 8 cp

Pre-requisites: GHMC970 Assessment and Psychopathology A
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Seminar presentations, audio-tape of assessment interview, exam.

Subject Description: The subject aims to provide students with an overview of descriptive psychopathology. Issues surrounding models of abnormal behaviour and the classification of mental disorders will be examined. The signs and symptoms associated with severe disorders and the assessment of these conditions by clinical interview and psychological tests will be covered. The subject also covers the theoretical rationale and procedures for administration, scoring and interpretation of psychological tests. Ethical issues will also be examined.

Session contact campus delivery method
Autumn 4 hrs seminar Wollongong On Campus

GHMC975 Health Psychology 6 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: essay, take home exam, seminar participation, final research report.

Subject Description: This subject will address key theoretical and empirical issues in the area of Health Psychology. A range of psychological principles will be applied in designing a program to improve health and well being. Topics that will be examined in this course include drug and alcohol problems, stress and coping, pain management, and psychological factors related to exercise, dieting and weight control.

Session contact campus delivery method
Spring 2 x 2hrs seminar Wollongong On Campus
GHMC976 Assessment in Applied Psychology 6 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: two assignments (involving two reports in total) worth 50% each
Subject Description: This is a skills oriented course aimed at providing students with the opportunity to administer, score and interpret psychological tests under supervision. Assessment techniques used in a number of fields of applied psychology will be studied. In addition, attention will be devoted to ethical standards in psychological assessment.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session | contact hours | campus | delivery method
---------|--------------|--------|-------------------
Spring   | 2 hrs seminar | Wollongong | On Campus

GHMC977 Counselling Psychology 6 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: tape transcript analysis, short report, videotaped counseling skills assignment
Subject Description: This subject initially focuses on a microskills approach to working with clients. A workshop format with role-play, observation, feedback and discussion is used. Students will be expected to develop a critical and analytical understanding of the conceptual and developmental framework from which different counseling orientations can develop. In order to provide students with an alternative but complementary framework from which counseling can proceed, the second half of the course will examine a cognitive behavioral approach.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session | contact hours | campus | delivery method
---------|--------------|--------|-------------------
Annual   | 2hr sem. | Wollongong | On Campus

GHMC978 Child and Adolescent Psychology 6 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: assignments 70%, take home examination 30%
Subject Description: This subject focuses on several common childhood and adolescent concerns or problem behaviours. The subject will provide students with a general introduction to conduct disorders, attention deficit hyperactive disorders, school based adjustment and learning problems, problems of abuse and adolescent health risk behaviours. A major focus of this subject is upon Parent Management Intervention.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session | contact hours | campus | delivery method
---------|--------------|--------|-------------------
Spring   | 2 hrs seminar | Wollongong | On Campus

GHMC979 Major Research Project 18 cp

Pre-requisites: None
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: empirical study report of between 6,000 and 8,000 words
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session | contact hours | campus | delivery method
---------|--------------|--------|-------------------
Annual   | 1 hr seminar | Wollongong | On Campus

GHMC998 Thesis 48 cp

Pre-requisites: Available to graduates with an Honours degree of at least Class II, Division 2 standard or equivalent
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Master of Science Honours (Research)
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session | contact hours | campus | delivery method
---------|--------------|--------|-------------------
Annual   | n/a | Wollongong | On Campus

GHMC999 Thesis (Doctor of Philosophy) 48 cp

Pre-requisites: Available to graduates with an Honours degree of at least Class II, Division 1 standard or equivalent
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: (Doctor of Philosophy)
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session | contact hours | campus | delivery method
---------|--------------|--------|-------------------
Annual   | n/a | Wollongong | On Campus

261
Subject Description: This subject introduces students to theories and concepts from the social sciences necessary for the understanding and analysis of public health issues. Topics include: trends in public health; socio-economic and environmental influences on health and health inequities; biomedical and anthropological methods of health and illness; the role of culture in health; and health behaviour and the political economy of health.

Subject Objectives: n/a

Additional Information: OLA sessions only available for students enrolled through OLA


Session  contact hours campus delivery method
Autumn 2 hours Wollongong On Campus
Autumn n/a Wollongong Flexible

GHMD907 Independent Study in Public Health 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: Approval from Head of the Graduate School of Public Health
Exclusions: n/a
Assessment: Will reflect on the learning contract.

Subject Description: The program for this subject may vary. A supervisor will be appointed by the Head of the Graduate School of Public Health and a learning contract will be drawn up between the supervisor and student. Students may enrol only if a supervisor is available. The time commitment for an independent study is the same as that for any subject of equivalent credit points. Assessment is usually based on a research proposal or a written report.

Subject Objectives: n/a

Additional Information: For contact hours please contact Kay Kent, Student Liaison Officer on 02 4221 4078 as this may depend on placement.

Text books: n/a
Faculty of Health and Behavioural Sciences

GHMD908 Health Services Planning and Evaluation
6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: One assignment - 30% One assignment - 70%
Subject Description: Practical and theoretical aspects of health service planning and evaluation will be covered in this subject. Topics include: planning, its scope and theory; planning approaches and methods; corporate planning; strategy formulation and analysis; operational planning; and facility planning. Principles of evaluation will be illustrated through design and implementation of health program evaluation. Topics include: process evaluation; impact and outcome evaluations; and monitoring and outcome management.

Subject Objectives: n/a

Additional Information: To be advised.

Text books: To be advised.

Session | contact hours | campus | delivery method
---------|---------------|--------|-----------------
Spring | 2 hours | Tableau | On Campus
Spring | n/a | Wollongong | Flexible
Autumn | 2 hours | Tableau | On Campus

GHMD909 Comparative Health Systems: Policies and Politics
6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: One assignment - 30% One assignment - 40% Final examination - 30%
Subject Description: This subject examines how ideologies and political processes influence health policy development and health service delivery. The impact of broad socio-economic forces on health status and health policy development are emphasised. The subject is designed to assist individuals to develop analytical and strategic skills.

Subject Objectives: n/a

Additional Information: n/a

Text books:

Session | contact hours | campus | delivery method
---------|---------------|--------|-----------------
Autumn | 2 hours | Tableau | On Campus
Autumn | n/a | Wollongong | Flexible

GHMD912 Health Promotion
6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: To be advised.
Subject Description: This subject will develop an understanding of the concept of health promotion and discuss the principles of the Ottawa Charter. Students will critically review current theoretical approaches in the areas of behaviour change and development of public policy. A settings approach is followed, examining health promotion in the health care systems, schools, local government and the work place. Subject involves on-line student discussions.

Subject Objectives: To demonstrate an understanding of the notion of health promotion in the context of its historical and conceptual development, with a specific focus on the Ottawa Charter. To apply a health promotion perspective with different settings. To demonstrate a working knowledge of the development of a health promotion program and the procedures appropriate to each part of the process. To identify and critically review current approaches to health promotion at the local, state and/or national level. To discuss health promotion concepts using an electronic medium.

Additional Information: n/a

Text books: n/a

Session | contact hours | campus | delivery method
---------|---------------|--------|-----------------
Spring | 2 hours | Tableau | On Campus
Spring | n/a | Tableau | Flexible

GHMD913 Drug Problems and Issues
6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: To be advised
Subject Description: This course will provide an understanding of the pharmacological, psychological, and sociological basis of drug dependence; methods of treatment and prevention of drug abuse; an analysis of government policies to combat drug related problems; the development and management of drug and alcohol services; contemporary issues and controversies.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session | contact hours | campus | delivery method
---------|---------------|--------|-----------------
Spring | 2 hours | Tableau | On Campus

GHMD924 Health Information Systems
6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Two minor assignments and one major assignment.
Subject Description: This course will provide an understanding of information systems and their management in health care organisations. It will cover concepts of information theory, decision support and knowledge management. Assessment of IS projects, project planning and implementation will be discussed. IT architecture, standards for technology integration and data will be covered to provide an overview of emerging trends in health informatics.

Subject Objectives: n/a

Additional Information: Students are required to have access to the Internet at home or on campus.

Text books: n/a

Session | contact hours | campus | delivery method
---------|---------------|--------|-----------------
Autumn | 2 hours | Tableau | On Campus

GHMD925 Aboriginal Health Issues
6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Two written assignments and a seminar presentation.
Subject Description: Examines the current health status of Aboriginal people from a social and historical perspective. Issues to be explored include the interaction between culture and health, the experience of ill-health, and the political and economic context of health. It also focuses on access to and use of health services and problems of cross-cultural communication.

Subject Objectives: n/a

Additional Information: n/a

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**Subject Descriptions**

**GHMD936 Public Health Nutrition 6 cp**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** Essay - 20%, Food system assignment - 40%, Case study - 40%

**Subject Description:** This subject will introduce the student to the principles of community health and the history of public health nutrition in Australia. Key areas of public health nutrition discussed include food and nutrition surveillance, food policy, programme planning and health promotion. There will be a focus on community nutrition practice, covering such topics as maternal and infant nutrition, school based nutrition programs, diabetes education and the health of older people in the community. Subject involves on-line student discussions.

**Subject Objectives:** At the end of the session, you will be able to:
1. describe community and public health nutrition services and programs in Australia.
2. describe the components of food and nutrition systems and discuss the development of food and nutrition policies.
3. describe and discuss key principles employed in developing health promotion strategies.
4. describe and critique approaches to program planning and evaluation and apply a planning model to a community nutrition issue.
5. discuss public health nutrition issues using an electronic medium.
6. discuss the potential influence of electronic media on public health nutrition professional practice.

**Additional Information:** n/a

**Text books:** n/a

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**GHMD937 Food Inspection for Public Health 6 cp**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** To be advised.

**Subject Description:** This subject will contain a mix of practical food inspection skills and the principles of systematic food inspection. It will also cover responses to food-borne outbreaks and options of monitoring, investigation and prevention of such outbreaks. Both Australian and overseas practices and requirements will be addressed depending on the student needs.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**GHMD965 Principles and Practices of Psychosocial Rehabilitation 6 cp**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** One assignment - 40%, One assignment - 60%

**Subject Description:** This subject provides an in-depth examination of the use of a collaborative recovery model in the management of people with a mental illness. It introduces students to the theory and practice of rehabilitation readiness, needs based assessment, collaborative goal setting, goal attainment, and the use of homework as a measurement of outcome.

**Subject Objectives:** n/a

| Additional Information: n/a
| Text books: n/a
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**GHMD970 Comprehensive Systems of Mental Health Care 6 cp**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** A variety of methods including service review, case reports, and essays.

**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.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**GHMD971 Assessment and Diagnosis in Mental Health 6 cp**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** Two case vignettes - 15% each, One clinical study - 70%

**Subject Description:** This subject examines the definitions and classification systems widely used to identify, describe and communicate about mental illness. The history and philosophical models which underpin DSM IV and ICD 10 are examined and analysed. The approaches and methods of assessment are outlined and subjected to analysis, including the assessment interview, the psychiatric history, symptom descriptions, functional assessment and family assessment. Ongoing assessment, uses and abuses of diagnosis, uses of assessment for management and research and ethics of assessment are also considered.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**GHMD973 Case Management in Mental Health 6 cp**

**Pre-requisites:** n/a
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** One essay - 40%, One Case study - 60%

**Subject Description:** This subject provides an overview of the application of different models of case management in the context of mental health. It addresses both the evidence-base for case management and the question of who should be case managed. The principles and practices of clinical case management are examined in detail with a focus...
on the skills required of case managers in working with the client, carers
and the broader social environment.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**GHMD976 Supervised Clinical Practice** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** Prior approval from Course Co-ordinator on 4221 4279

**Exclusions:** n/a

**Assessment:** n/a

**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.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**GHMD980 International Health: Health Care Delivery in Developing Countries** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** No subject description available.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**GHMD981 Maternal and Child Health in Developing Countries** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** Examines the components of the "safe motherhood" intervention and "child survival" strategies in developing countries. The subject will include the delivery of care using a primary health care approach and the use of appropriate technology. Issues of integration of maternal and child health and family planning services and the organisation of services in decentralised settings will be discussed. Programs aimed at maternal and child health will be analysed.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

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**GHMD982 Special Topic in International Health** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** No subject description available.

**Subject Objectives:** n/a

**Additional Information:** n/a

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**GHMD984 Health Research Methodology** 6 cp

**Pre-requisites:** GHMD983 - Statistics in Health Research or equivalent.

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Three written assignments.

**Subject Description:** This subject introduces students to health research methodology. Topics include formulating a research question, conducting a literature review and writing a research proposal. Students will acquire skills in interviewing, survey design, and appropriate methods of qualitative and quantitative analysis. Ethical issues such as informed consent and confidentiality will be addressed.

**Subject Objectives:** n/a

**Additional Information:** n/a


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**GHMD985 Applied Epidemiology** 6 cp

**Pre-requisites:** GHMD904 - Epidemiology

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** One assignment - 10%, 3 assignments - 15%, 1 assignment - 20%, 1 assignment - 25%

**Subject Description:** The subject consists of a self directed computer based case study to be conducted in teams of 2 students. The case study concerns an environmental contamination and the methods to investigate the situation and its health effects. The students are placed in the situation of a public health official with a limited financial budget and many options for research. Primary investigation, risk evaluation, potential study designs and actual study analysis will be covered. Presenting the results to a critical audience will be simulated in class presentations.

**Subject Objectives:** At the end of this subject, the student will be able to: actively engage in small team problem solving; utilize available datasets on health, environmental contamination levels and exposure; use and apply knowledge on epidemiology, statistics and various types of computer software; integrate datasets and literature information into a view as to whether there is a health risk to a population, present and defend the conclusions based on the use of datasets and literature to a critical audience and in a written format according to established professional standards.

**Additional Information:** n/a


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**Subject Descriptions**

**GHMD986 Environmental Health** 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: 4 assignments

Subject Description: This subject covers various case studies in environmental health such as air pollution, soil contamination, climate change, water availability and contamination, waste problems and urbanisation. The lectures present the theories and internationally relevant cases. The students will present their own case studies in class.

Subject Objectives: At the end of this subject the student will be able to: present an environmental health problem in a clear and articulate manner, and relate the particular problem to the literature; use the acquired knowledge on a wide variety of environmental problems to assess the relevance of a particular problem and to assess the available literature; and critically evaluate the presentation and analysis of an environmental health problem.

Additional Information: n/a


Session  
contact  
campus  
delivery hours  
method  
Autumn  
2 hours  
Wollongong  
On Campus

**GHMD988 Health Program Evaluation and Outcomes Research** 6 cp

Pre-requisites: 24 cp
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: n/a

Subject Description: No subject description available.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session  
contact  
campus  
delivery hours  
method  
n/a

**GHMD995 Health Management Project** 12 cp

Pre-requisites: 24 cp
Co-requisites: n/a
Restrictions: Approval required from Head of Graduate School of Public Health.
Exclusions: n/a
Assessment: To be advised.

Subject Description: Students are normally required to present a management report, which deals with an agreed problem or area in health services management, to agreed guidelines and to a maximum length of 10,000 words.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session  
contact  
campus  
delivery hours  
method  
Spring  
n/a  
Wollongong  
On Campus  
Autumn  
n/a  
Wollongong  
On Campus

**GHMD996 Thesis MSc (Hons)** 48 cp

Pre-requisites: Bachelor (Hons) or MSc or MPH
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Examination of the thesis

Subject Description: The Masters (Honours) thesis is an individual research endeavour under supervision. The candidate is encouraged to research a contemporary issue in their area of specialisation within the 260 research areas of members of the Graduate School of Public Health. It is expected that there be both a substantive theoretical and empirical content to the project. Guidelines for this subject are available from the Coordinator. Seminars are held in both sessions to evaluate the research proposal and to assess progress.

Subject Objectives: On completion of this subject, you should be able to: identify and define a significant issue or problem of limited complexity; determine the nature and extent of factors which contribute to the issue; conduct and evaluate a comprehensive literature search; propose a feasible logistic plan that can pass an ethics committee; formulate clear aims; independently maintain quality control; analyse the data; interpret the results and draw conclusions; present the results in an appropriate professional format (both oral and written).

Additional Information: Can be obtained from the Subject Coordinator on 02 4221 4754

Text books: n/a

Session  
contact  
campus  
delivery hours  
method  
Annual  
n/a  
Wollongong  
On Campus

**GHMD997 Major Project** 24 cp

Pre-requisites: GHMD984 - Health Research Methodology
Co-requisites: n/a
Restrictions: Approval from Head of Graduate School of Public Health
Exclusions: n/a

Assessment: Examination of report

Subject Description: The major project is an individual research endeavour under supervision. The candidate is encouraged to research a contemporary issue in their area of specialisation within the research areas of members of the Graduate School in Public Health. It is expected that there be both a substantive theoretical and empirical content to the project. Students must have the permission of the Coordinator to undertake this subject. Guidelines for this subject are available from the Coordinator. Seminars are held in both sessions to evaluate the research proposal and to assess progress.

Subject Objectives: On completion of this subject, you should be able to: identify and define a limited issue or problem; determine the nature and extent of factors which contribute to the issue; conduct and evaluate a comprehensive literature search; propose a feasible logistic plan that can pass an ethics committee; formulate clear aims; independently maintain quality control; analyse the data; interpret the results and draw conclusions; present the results in an appropriate professional format (both oral and written).

Additional Information: For further information contact the Course Coordinator on 02 4221 4754

Text books: n/a

Session  
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Spring  
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Annual  
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On Campus

**GHMD998 Thesis DPH** 48 cp

Pre-requisites: Master of Science/Master of Public Health or Master of Science (Hons) or equivalent and 48 credit points of additional coursework.

Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Examination of thesis

Subject Description: The doctoral thesis is an individual research endeavour under supervision. The candidate is encouraged to research a contemporary issue in their area of specialisation within the research areas of members of the Graduate School of Public Health. It is expected that there be both a substantive theoretical and empirical content to the project. Guidelines for this subject are available from the Coordinator. Seminars are held in both sessions to evaluate the research proposal and to assess progress.

Subject Objectives: On completion of this subject, you should be able to identify and define a significant issue or problem of extended complexity; determine the nature and extent of factors which contribute
to the issue; conduct and evaluate a comprehensive literature search; propose a feasible logistic plan that can pass an ethics committee; formulate clear aims; independently maintain quality control; analyse the data; interpret the results and draw conclusions; present the results in an appropriate professional format (both oral and written).

Additional Information: Duration - 2 years full-time for the research component or part-time equivalent (96 credit points). Further information can be obtained by contacting the subject coordinator on 02 4221 4754.

Text books: n/a

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GHMD999 Major Thesis (PhD) 48 cp

Pre-requisites: BSc (Hons), MSc/MPH with research or MSc (Honours) or equivalent

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Examination of thesis

Subject Description: The doctoral thesis is an individual research endeavour under supervision. The candidate is encouraged to research a contemporary issue in their area of specialisation within the research areas of members of the Graduate School of Public Health. It is expected that there be both a substantive theoretical and empirical content to the project. Guidelines for this subject are available from the Coordinator. Seminars are held in both sessions to evaluate the research proposal and to assess progress.

Subject Objectives: On completion of this subject, you should be able to identify and define a significant issue or problem of extended complexity; determine the nature and extent of factors which contribute to the issue, conduct and evaluate a comprehensive literature search; propose a feasible logistic plan that can pass an ethics committee; formulate clear aims; independently maintain quality control; analyse the data; interpret the results and draw conclusions; present the results in an appropriate professional format (both oral and written).

Additional Information: Duration: 3 years full-time or part-time equivalent. (144 credit points). Further information can be obtained from the subject coordinator on 02 4221 4754.

Text books: n/a

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SMART FOODS CENTRE

SFC 903 Nutrition Research 6 cp

Pre-requisites: None
Co-requisites: None
Restrictions: This is a full-fee subject costing $1500 for all students who enrol.
Exclusions: None
Assessment: n/a

Subject Description: The subject introduces students to the critical interpretation of research findings in nutrition and to the evaluation of primary and other source material as a foundation for evidence-based nutrition. It will provide a series of research edge seminars based on activities of the Smart Foods Centre and collaborators. This will initially focus on identification, development and scientific evaluation of key nutrients in foods optimising carbohydrate and fat balance in the diet, and consumer evaluation of nutrients and foods. Students will complete a critique of current research and report on learning outcomes as they relate to their work environment.

Subject Objectives: Students will be able to: 1. Critically read and evaluate research reports and research methodology 2. describe specific outcomes from current nutrition research and identify practical implications for their work environment 3. make recommendations for directions in food product development based on Nutrition research 4. understand and reconcile some of the complexities in translating nutrition research outcomes to product development 5. demonstrate increased awareness of current nutrition research issues and outcomes.

Additional Information: For information contact Smart Foods Key Centre 02 4221 3466

Text books: n/a

<table>
<thead>
<tr>
<th>Session</th>
<th>contact hours</th>
<th>campus delivery method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autumn</td>
<td>48</td>
<td>Wollongong Modular</td>
</tr>
</tbody>
</table>

SFC 904 Nutrition and Food Innovation 6 cp

Pre-requisites: None
Co-requisites: None
Restrictions: This is a full-fee subject costing $1500 for all students who enrol.
Exclusions: None
Assessment: n/a

Subject Description: The subject introduces students to the use of technologies which underpin the development of the contemporary Australian food supply. These include but are not limited to genetic modification and its applications in food production, the impact of feeding programs on livestock, issues concerning trends to home replacement or ready to eat meals, use of risk assessment frameworks and an overall critique of biotechnology in food production.

Subject Objectives: Students will be able to: 1. outline the basic principles of genetic modification and discuss its roles in the development of the food supply; 2. examine specific case studies in feeding programs for livestock and describe nutritional and other criteria to evaluate feeds for livestock; 3. describe trends in the production and retailing of home meal replacement; 4. identify potential nutrient and or safety problems associated with new technology and ways of addressing these problems; 5. develop a framework within which to critique the role of biotechnology in food production and retailing.

Additional Information: For information contact Smart Foods Key Centre 02 4221 3466

Text books: n/a

<table>
<thead>
<tr>
<th>Session</th>
<th>contact hours</th>
<th>campus delivery method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>48</td>
<td>Wollongong Modular</td>
</tr>
</tbody>
</table>
FACULTY OF INFORMATICS

The Faculty of Informatics offers Postgraduate qualifications within its three schools:

School of Electrical, Computer and Telecommunications Engineering

School of Information Technology and Computer Science

School of Mathematics and Applied Statistics

SCHOOL OF ELECTRICAL, COMPUTER AND TELECOMMUNICATIONS ENGINEERING

The Faculty of Informatics offers Postgraduate qualifications within its three schools:

School of Electrical, Computer and Telecommunications Engineering

School of Information Technology and Computer Science

School of Mathematics and Applied Statistics

SCHOOL OF ELECTRICAL, COMPUTER AND TELECOMMUNICATIONS ENGINEERING

The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Engineering by Research
- Master of Engineering Practice (Mechatronics)
- Master of Engineering Studies
- Master of Internet Technology

Current Research Areas

There are two major research centres within the School. The Telecommunications Research Centre researching in the area of Telecommunications and the Industrial Automation Research Centre researching in the areas of Automation and Power Engineering. The School has significant industry linkages and scholarships are frequently available with industry partners. The following areas of research are available to candidates undertaking the degrees of Honours Master of Engineering by research and the Doctor of Philosophy:

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 ATM
- Wireless internet protocols

Telecommunications: Network Services
- Internet and WWW services
- Internet telephony
- Multimedia databases
- Network games
- Video on demand
- Virtual reality

Telecommunications: Digital Signal Processing
- Adaptive filtering
- Blind signal processing
- Coding for error-prone channels
- Computational auditory scene analysis
- Filter banks and wavelets
- Image and video processing
- Internet access technologies (xDSL)
- Low-rate speech coding
- Multirate signal processing
- Wideband speech/audio coding

Industrial Automation: Automation
- Advanced control systems
- Computer integrated manufacturing systems
- Machine tool design
- Machine vision
- Mechatronics
- Precision position and speed control
- Robotics and sensors
- Telerobotics

Industrial Automation: Applications
- Arc welding control
- Renewable energy sources
- Superconducting magnetic energy storage

Industrial Automation: Power Engineering
- Electric motors
- Linear motors
- Power electronics and applications (eg welding, servo-systems)
- Power quality
- Superconductors
- Variable speed drives
Doctor of Philosophy

Candidates for this degree enrol in ECTE951 Thesis.

Honours Master of Engineering

Under the Rules for the degree of Honours Master of Engineering, candidates may meet the major requirements by satisfactorily completing a thesis embodying the results of an investigation. Candidates for this degree enrol in ECTE951 Thesis.

Entry for graduates with a Degree at a standard of Class II, Division 2 or higher or approved equivalent qualification.

Under the Honours Masters Rules, candidates must accumulate a total of not less than 48 credit points by the successful completion of ECTE951 Thesis.

Entry for graduates with a Degree below a standard of Class II, Division 2. Under the Honours Masters Rules, candidates are required to accumulate 96 credit points of which at least 48 points shall be ECTE951 Thesis; the remaining 48 credit points however, need not be for subjects at the Postgraduate level.

The School, however, requires that candidates who qualify for entry under these provisions enrol in the Master of Engineering Studies and gain a weighted average mark of 67.5% or higher to be admitted to the Honours Master of Engineering program.

Master of Engineering Practice (Mechatronics)

Introduction

This course is offered jointly by the Faculty of Engineering and the School of Electrical, Computer and Telecommunications Engineering, and is available to graduates with four year bachelor of engineering degrees, or the equivalent, in any engineering discipline, including Civil, Mining, Mechanical, Production, Industrial, Materials, etc. Graduates interested in mechatronics who have an Electrical, Computer, Telecommunications or related engineering undergraduate degree, are also able to consider the Automation and Power Engineering Program, including the specialist mechatronics subjects, within the Master of Engineering Studies (see details below).

Content and Duration

This course can be completed in one year of full-time study (48 credit points), and is 75% coursework (36 credit points), and 25% project and report (12 credit points).

Entry Requirements

The entrance requirements for this course are a four year engineering bachelor degree.

Purpose of the Course

The objective of this course is to provide graduates with an ability to understand and design mechatronics systems.

Program of Study

Details of the program of study for the Master of Engineering Practice (Mechatronics) are contained in the Faculty of Engineering entry. Candidates with Electrical, Telecommunications, Computer or similar engineering backgrounds can also study mechatronics subjects via the Master of Engineering Studies by enrolling in ECTE953 Report in a mechatronics field and ECTE955 Advanced Laboratory undertaking special mechatronics projects. Five other subjects would then be selected from the Automation and Power Engineering Program and the mechatronics subject offerings from the Faculty of Engineering.

Master of Engineering Studies

Under the Masters Rules, candidates must accumulate a total of not less than 48 credit points by the satisfactory completion of subjects, approved by the Head of School, as indicated below.

The complete list of subjects available under the Master of Engineering Studies is presented below. In any given year, the subjects presented under the individual programs that follow (A and B) may be replaced by equivalent subjects from this list.

<table>
<thead>
<tr>
<th>List of Subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECTE901 Fast Signal Processing Algorithms</td>
</tr>
<tr>
<td>ECTE902 Stochastic Signal Processing</td>
</tr>
<tr>
<td>ECTE903 Image and Video Processing</td>
</tr>
<tr>
<td>ECTE904 Adaptive Signal Processing</td>
</tr>
<tr>
<td>ECTE905 Speech and Audio Processing</td>
</tr>
<tr>
<td>ECTE911 AC-Sourced Power Electronics</td>
</tr>
<tr>
<td>ECTE912 DC-Sourced Power Electronics</td>
</tr>
<tr>
<td>ECTE913 Micro-Electronics</td>
</tr>
<tr>
<td>ECTE921 Power Quality</td>
</tr>
<tr>
<td>ECTE922 Power Quality Monitoring</td>
</tr>
<tr>
<td>ECTE923 Power Systems</td>
</tr>
<tr>
<td>ECTE924 Power Systems Abnormalities</td>
</tr>
<tr>
<td>ECTE925 Industrial Drives and Actuators</td>
</tr>
<tr>
<td>ECTE926 Power Equipment Design</td>
</tr>
<tr>
<td>ECTE931 Real-Time Computing</td>
</tr>
<tr>
<td>ECTE932 Computer Systems</td>
</tr>
<tr>
<td>ECTE935 Identification and Optimal Control</td>
</tr>
<tr>
<td>ECTE943 Digital Control</td>
</tr>
<tr>
<td>ECTE944 Report</td>
</tr>
<tr>
<td>ECTE945 Advanced Laboratory</td>
</tr>
<tr>
<td>ECTE961 Telecommunications Queuing Theory</td>
</tr>
<tr>
<td>ECTE962 Telecommunications System Modelling</td>
</tr>
<tr>
<td>ECTE963 Transmission Systems</td>
</tr>
<tr>
<td>ECTE964 Antennas and Propagation</td>
</tr>
</tbody>
</table>
A. Automation & Power Engineering Program

This program includes mechatronics studies. Students interested in mechatronics would complete a project in the mechatronics field in ECTE953 Report and Mechatronics laboratory work in ECTE955 Advanced Laboratory.

a) Five subjects*, worth six credit points each, from the List of Subjects below:

ECTE901 Fast Signal Processing Algorithms
ECTE911 AC-Sourced Power Supplies
ECTE912 DC-Sourced Power Supplies
ECTE921 Power Quality
ECTE923 Power Systems
ECTE931 Real-Time Computing
ECTE932 Computer Systems
ECTE941 Intelligent Control
ECTE942 Computer Controlled Systems
ECTE963 Transmission Systems
ECTE971 Robotics Manipulators
ECTE972 Robotics Sensory Control; and

b) ECTE953 Report**
ECTE955 Advanced Laboratory***

* Only a limited number of subjects will be available in any one year in Part (a). As indicated above, the subjects listed in Part (a) may be replaced by equivalent subjects selected from the complete list given above. The Head of School may also approve relevant subjects from other programs. Under normal circumstances, this approval would not exceed subjects to a total value of 12 credit points.

** With the approval of the Head of School, this subject may be replaced by two of the subjects listed in Part (a).

*** With the approval of the Head of School, this subject may be replaced by one of the subjects listed in Part (a).

B. Computer & Telecommunications Engineering Program

a) Five subjects*, worth six credit points each, from the List of Postgraduate Subjects below:

ECTE901 Fast Signal Processing Algorithms
ECTE902 Stochastic Signal Processing
ECTE903 Image and Video Processing
ECTE905 Speech and Audio Processing
ECTE912 DC-Sourced Power Supplies
ECTE931 Real-Time Computing
ECTE932 Computer Systems
ECTE941 Intelligent Control
ECTE942 Computer Controlled Systems
ECTE951 Telecommunications Queueing Theory
ECTE952 Telecommunications System Modelling
ECTE953 Transmission Systems
ECTE955 Wireless Communications
ECTE982 Internet Engineering
ECTE983 Computer Networking
ECTE984 Layered Communication Architectures
ECTE985 Telecommunications Network Management; and

b) ECTE953 Report**
ECTE955 Advanced Laboratory***

* Only a limited number of subjects will be available in any one year in Part (a). As indicated above, the subjects listed in Part (a) may be replaced by equivalent subjects selected from the complete list given above. The Head of School may also approve relevant subjects from other programs. Under normal circumstances, this approval would not exceed subjects to a total value of 12 credit points.

** With the approval of the Head of School, this subject may be replaced by two of the subjects listed in Part (a).

*** With the approval of the Head of School, this subject may be replaced by one of the subjects listed in Part (a).
Course Structures

Master of Internet Technology

Introduction
The Telecommunications and Information Technology Research Institute (TITR) and the School of Electrical, Computer and Telecommunications Engineering offer a course leading to the award of the Master of Internet Technology (MIT).

The objective of the MIT degree is to provide advanced knowledge and specialist skills on a broad range of Internet Technologies and systems. The Internet is recognised as the primary driving force that is providing the impetus for the rapidly evolving online economy, electronic commerce and the proliferation of virtual communities and interest groups.

The MIT degree is designed to enable a wide range of entry to candidates who have existing technical qualifications or who have significant experience in related fields or to candidates from areas where a fundamental understanding of Internet Technology is crucial for the evolution of that particular area. The latter aspect recognises the fact that many other areas of industrial and commercial endeavour will need to understand the broad range of Internet Technology in order to take full advantage of its potential. The latter is clearly a matter of strategic value.

Entrance Requirements
Candidates with an undergraduate Australian University degree in Telecommunications Engineering, Computer Engineering, Electrical Engineering, Computer Science and Information Technology or equivalent will have direct entry to the MIT degree.

Candidates from China who do not possess the undergraduate degree qualifications as stated in (1) above will be required to undertake a preparatory program at a partner University in China. If these candidates satisfy the English prerequisite they may undertake an equivalent preparatory program in Australia directly. Candidates from countries other than China, will be assessed based on qualifications and may have to undertake an entrance examination administered by TITR National and International candidates, who have significant industrial experience in a related IT&T field or those that possess undergraduate qualifications in other areas, can also be admitted once they have undertaken and passed an entrance examination. The entrance examination will be developed by the Course Co-ordinator in consultation with the Director, TITR, and the School Education Committee, and will be administered by TITR. In the case of overseas students, candidates will need to take the entrance examination at a nominated partner institution or at the University of Wollongong agent's premises. On the basis of their performance, candidates will be provided with a specific preparatory program as deemed necessary.

Program of Study
Candidates who are deemed to have adequate background qualifications or experience will take two sessions of full-time study to complete the MIT degree at the University of Wollongong. During these two sessions the candidates are expected to undertake 48 credit points of course work including a project related to their area of preferred specialisation (specific details are included below). Candidates who are applying on the basis of limited existing experience or limited background qualifications will need to successfully complete an entrance examination to assess their potential ability to complete the MIT degree. Candidates who do not meet initial entry requirements may still be accepted provisionally but will be expected to satisfactorily complete a preparatory study program. The preparatory study program will be based on existing undergraduate offerings within the Faculty of Informatics. The preparatory study program can also be undertaken at other Universities or qualified Institutions. The program of study is set out below:

a) ECTE991 Internet Fundamentals
   ECTE956 Internet Project
   and

b) Six subjects*, worth six credit points each, from the List of Subjects below:
   ECTE992 Internet Networking Protocols
   ECTE993 Access Technologies
   ECTE994 Wireless and Mobile Communication Systems
   ECTE995 Content Servers and Caching Technologies
   ECTE996 Multimedia Communications
   ECTE997 Web Technology and Applications
   IACT906 Business Online
   IACT918 Telecommunications Management
   ITCS937 Security, Risk Management and Control for Electronic Commerce

or

a) ECTE991 Internet Fundamentals
   ECTE956 Internet Project
   and
   ECTE957 Advanced Internet Project**
   and

c) four subjects*, worth six credit points each, from the List of Subjects below:
   ECTE992 Internet Networking Protocols
   ECTE993 Access Technologies
   ECTE994 Wireless and Mobile Communication Systems
   ECTE995 Content Servers and Caching Technologies
   ECTE996 Multimedia Communications
   ECTE997 Web Technology and Applications
   IACT906 Business Online
   IACT918 Telecommunications Management
   ITCS937 Security, Risk Management and Control for Electronic Commerce

*Only a limited number of subjects will be available in any one session.

**Entry to this subject is restricted to those students who gain a credit level or better grade in ECTE956 Internet Project.
SCHOOL OF INFORMATION TECHNOLOGY & COMPUTER SCIENCE

Courses Offered
The following postgraduate courses are available:
- Doctor of Philosophy
- Honours Master of Information and Communication Technology by Coursework and/or Research
- Honours Master of Science by Research or Coursework
- Master of Computer Science
- Master of Computer Studies
- Master of Industry Based Information Technology
- Master of Information and Communication Technology
- Master of Information Technology Management
- Graduate Certificate in Information and Communication Technology
- Graduate Certificate in Information and Communication Technology (Information Security)
- Graduate Certificate in Information and Communication Technology (Telecommunications)

Areas of Research
The following major areas of research are available:
- Security
  - Computer Security
  - Network and Communication security
  - Distributed Systems Security
  - Cryptography
  - Error control coding
  - Combinatorial designs
- Software Engineering
  - Safety and risk and hazard analysis
  - Distributed systems
- Databases
- Workflow and process modelling
- Internet technologies
- Intelligent Systems
  - Robotics
  - Neural networks
  - Machine vision
  - Ultrasonic sensing
  - Spatial databases
- E-Business
- E-Health
- Smart card applications
- E-Commerce
- E-Education
- E-Manufacturing
- Information Management
- Telecommunications network planning

Doctor of Philosophy
Candidates for this degree enrol in CSCI993 (for Computer Science) and IACT970 (for Information and Communication Technology).

Honours Master of Information and Communication Technology
The degree of Honours Master of Information and Communication Technology shall be subject to the University Course Rules for the award of the degree of Honours Master, together with the following conditions:

1) Entry to the Honours Master of Information and Communication Technology will be on the recommendation of the Head of School of Information Technology and Computer Science. Candidates would normally have:
   a) a Bachelor of Information and Communication Technology (Hons) at a standard for Class II, Division 2 or better (or equivalent)
   or
   b) a Master of Information and Communication Technology (or equivalent)

2) The Honours Master of Information and Communication Technology (Hons) degree will normally occupy one year of full-time study or part-time equivalent, and requires satisfactory completion of one of the following options:
   a) IACT970,
   or
   b) IACT960 and 900 level subjects with the value of at least 12 credit points. selected from the IACT Graduate Subjects List.

3) Each candidate shall have a supervisor appointed on the recommendation of the Head of the School of Information Technology and Computer Science.
Course Structures

Honours Master of Science

The degree of Honours Master of Science shall be subject to the University Course Rules for the award of the degree of Honours Master, together with the following conditions.

1) A candidate shall undertake research, or a course of graduate studies and research, normally chosen from the postgraduate subjects offered by the School of Information Technology and Computer Science.

2) Entry to the Honours Master of Science will normally be from an Honours bachelor degree in Computer Science at a standard of Class II, Division 2 or higher. Entry may also be approved for candidates with the qualification of Master of Computer Science on the recommendation of the Head of the School of Information Technology and Computer Science.

3) The Honours Master of Science will normally occupy two sessions of full-time study or four sessions of part-time study, and requires satisfactory completion of 900 level subjects to the value of at least 48 credit points, including either:

   a) the subject CSCI993 (48 credit points), or
   
   b) the subject CSCI996 (36 credit points) and other 900 level subjects (except subjects from the CSCI980 suite of subjects) to the value of at least 12 credit points approved by the Head of School. In exceptional circumstances, and subject to approval of the Head of School.

4) Each candidate shall have a supervisor appointed on the recommendation of the Head of the School of Information Technology and Computer Science.

Master of Computer Science

The Master of Computer Science is designed to provide advanced studies in Computer Science at a professional level to graduates of this or another university who have some background in Computer Science. The Master of Computer Science shall be subject to the University Course Rules for the award of the degree of Master, together with the following conditions:

1) Entry to the Master of Computer Science will normally be from a pass degree with an appropriate sequence in Computer Science, or, subject to the approval of Council on the recommendation of the Head of School, from a degree or diploma containing substantial study in an appropriate discipline. The expected level of Computer Science background will be equivalent to at least CSCI203 Data Structures: Algorithms, Systems.

2) The Master of Computer Science degree will normally occupy one year of full-time study or part-time equivalent, and requires satisfactory completion of 900 level subjects to the value of at least 48 credit points (excluding the subjects CSCI992 and IACT993).

At least five (5) subjects, with a minimum credit point value of 30, must be selected from the CSCI Graduate Subjects.

The other three (3) must come from either the IACT Graduate Subjects or the Graduate Additional Subjects List.

3) 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.

Master of Computer Studies

This course has been specifically designed to meet the demand for students with a bachelor degree outside the computing field to gain a master level qualification.

The Master of Computer Studies shall be subject to the University Course Rules for the award of the degree of Master, together with the following conditions.

1) Entry to the Master of Computer Studies will normally be from a three year undergraduate degree, with a grade average of at least 60%, from a recognised Australian university or institution of equivalent standing. In addition, international students must meet the University of Wollongong's English language entry requirements.

2) For candidates who do not have knowledge or experience of C++, the course will usually be completed in three sessions (equivalent to 12 months). Candidates will commence in spring session (July) and will be required to study during summer session (December-February), as well as autumn session (March-June). As another alternative, the course may begin in March and take 2 sessions (autumn and spring session), if candidates already have knowledge or experience of C++.

3) Master of Computer Studies schedule

(These subjects are only available for Course code1510. If attempted by other course codes they will not accrue any credit points or value towards that degree)

Programme of study consists of 48 credit points, this involves successfully completing 8 subjects from the following 10 available.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Pre-req</th>
<th>Subject Name</th>
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<tbody>
<tr>
<td>ITC9001</td>
<td></td>
<td>Introduction to Computer Programming</td>
</tr>
<tr>
<td>ITC9002</td>
<td></td>
<td>Data Structures</td>
</tr>
<tr>
<td>ITC903</td>
<td></td>
<td>C Family &amp; UNIX</td>
</tr>
<tr>
<td>ITC904</td>
<td></td>
<td>Fundamentals of Database Systems</td>
</tr>
<tr>
<td>ITC905</td>
<td></td>
<td>Fundamentals of Information Technology</td>
</tr>
<tr>
<td>ITC906</td>
<td></td>
<td>Introduction to Computer Systems</td>
</tr>
<tr>
<td>ITC907</td>
<td></td>
<td>Introduction to Internet Application Development</td>
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<tr>
<td>ITC908</td>
<td></td>
<td>Citizen's Rights in the Information Society</td>
</tr>
<tr>
<td>ITC909</td>
<td></td>
<td>Fundamentals of Operating Systems</td>
</tr>
<tr>
<td>ITC910</td>
<td></td>
<td>Global Networking &amp; the World Wide Web</td>
</tr>
<tr>
<td>ITC911</td>
<td></td>
<td>Special Topic A in Computer Studies</td>
</tr>
<tr>
<td>ITC912</td>
<td></td>
<td>Special Topic B in Computer Studies</td>
</tr>
<tr>
<td>ITC913</td>
<td></td>
<td>Special Topic C in Computer Studies</td>
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<tr>
<td>ITC914</td>
<td></td>
<td>Special Topic D in Computer Studies</td>
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<tr>
<td>ITC915</td>
<td></td>
<td>Introduction to IT</td>
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<tr>
<td>ITC916</td>
<td></td>
<td>Fundamentals of Computer Science</td>
</tr>
</tbody>
</table>
Master of Industry Based Information Technology

Our Industry-Based courses have been specifically tailored for the practicing IT professional. Mastering today’s technology requires both the practical application of specific software products together with a sound theoretical knowledge. The best way to gain the practical experience is to work. Ideally, this would be backed up with training courses that are relevant to the application in hand. To advance your profession beyond this requires advanced study or research.

Entry Requirements

No typical entry qualification is assumed, but an applicant would normally be in current employment in an information and/or communication technology (IT&CT) related job and have:

* an undergraduate degree (equivalent to the Australian University or Institute equivalent standard) and be able to demonstrate sufficient IT knowledge; OR
* other qualifications showing an appropriate balance between other academic or professional qualifications, and relevant professional experience in information and/or telecommunications technology. Ideally, all candidates would have a minimum of two years professional experience in information and/or communication technology.

MIT Structure

The Master of Industry Based Information Technology consists of 48 credit points which are made up from the following three components:

1. 12 Credit points for Core Professional Development;
2. 12 Credit points for Industry-based Project;
3. 24 Credit points for Academic subjects (of 6 credit points each)

To be awarded a specialisation, 3 subjects must be selected from one of the following groups:

Software Engineering Specialisation
- Software Process Management
- Software Engineering and Formal Methods
- Advanced Topics in Software Engineering
- Software Requirements and Specifications

Electronic Commerce Specialisation
- Business On-Line
- Information Management
- On-Line Information Services
- Security, Risk Management and Control for Electronic Commerce
- Advanced Web Application Development

Information Management Specialisation
- Information Management
- Organisation issues in Information Technology
- On-Line Information Services
- Information Society, Knowledge Work and Information Technology
- Advanced Topics in Information Management
- Enterprise Web Applications

Multimedia Specialisation
- Java and the Internet
- 3D Modelling
- Web Design
- Advanced Computer Graphics
- Multimedia Studies
- Human Computer Interface

Enterprise Network Planning, Design and Management Specialisation
- Corporate Network Management
- Corporate Network Design and Implementation
- Designing a Corporate Communication Network
- IT Strategic Planning
- Duration: Equivalent 1 year full-time study
- Availability: By Request - on-shore and off-shore

Master of Information & Communication Technology

The purpose of this degree is to provide graduates working in the area of information technology and telecommunications with a deeper understanding of the organisational, economics and policy issues essential to the effective management of information technology.

The degree of Master of Information and Communication Technology shall be subject to the University Course Rules for the award of the degree of Master, together with the following conditions:

1) Entry to the Master for Information and Communication Technology will be on the recommendation of the Head Information Technology and Computer Science. Candidates would normally have, either:

a) the Graduate Certificate in Information and Communication Technology (with an average of a credit grade or better over all subjects); or
b) a degree related to one to the following areas: computing, engineering, communication studies, information studies and management; or
Course Structures

c) an appropriate balance between a University degree and relevant professional experience in information and/or communication technology.

In addition, it is desirable that applicants have at least one year of relevant professional experience in information and/or communication technology.

2) The Master of Information and Communication Technology degree will normally occupy one year of full-time study or part-time equivalent, and requires satisfactory completion of 900 level subjects to the value of at least 48 credit points (excluding the subjects IACT960 and IACT970).

At least five (5) subjects, with a minimum credit point value of 30, must be selected from the IACT Graduate Subjects. The other three (3) must come from either the CSCI Graduate Subjects or the Graduate Additional Subjects List.

Master of Information Technology Management (MITM)

This Masters program has been designed to address the challenges of educating managers and executives about the organisational, strategic and managerial problems that must be addressed as highly complex information technology is implemented. It is a one year program (48 credit point) designed to provide graduates and professionals with the competencies sought by global business leaders who want innovative IT managers with the drive and ambition to achieve and who are at the forefront of global IT developments.

i) Applicants will normally have:

a) an undergraduate degree, from a recognised Australian university or institute of equivalent standing, with a grade average of at least 60%, related to one of the following areas: computing; computer or telecommunications engineering; information technology; and information studies; or

b) an appropriate balance between a University degree and relevant professional experience in information and/or communication technology; or

In addition it is desirable that applicants have at least one year of relevant professional experience in information and/or communication technology.

ii) In special circumstances, applicants who hold other academic or professional qualifications and have a minimum of 5 years full-time or ten years part-time relevant work experience in the information and/or communication technology industry, may be granted admission to the program. In addition international students must meet the University of Wollongong’s English language entry requirements.

The MITM will articulate to the MBA degree.

Course Requirements

For the Master of Information Technology Management, students must normally complete:

a) 4 subjects from Group A and 4 Subjects from Group B, or

b) in special circumstances 5 subjects from Group A and 3 Subjects from Group B may be chosen

MITM Group A

IACT901 IT Strategic Planning
IACT906 Business On-Line
IACT916 Organisational Issues and IT
IACT917 Information Management
IACT918 Corporate Network Management
IACT919 On-line Information Services
IACT922 Case Studies in IT Applications

or any other subject approved by the Head of School

MITM Group B

WBS901 Accounting for Managers
WBS902 Statistics for Decision Making
WBS903 Managing People in Organisations
WBS908 Supply Chain Management
WBS950 Quality in Management
BUS952 Information Systems Management
MARK901 Marketing on the Internet

or any other subject approved by the Head of School

Graduate Certificate in Information and Communication Technology

This one year part-time or one semester full-time course is designed for graduates from a recognised tertiary institution. The objective of the Graduate Certificate is to provide an introductory study of the concepts of information and communication technology. The course will cover the issues which arise in the implementation and application if information technology. It addresses the challenge of educating managers and executives about the organisational, economic, regulatory and social problems that must be solved as highly complex technological systems are implemented.

The Graduate Certificate in Information and Communication Technology shall be subject to the University Rules for the award of Graduate Certificate together with the following conditions:

1) Applicants for the Graduate Certificate in Information and Communication must possess an undergraduate degree, from a recognised Australian University or institute of equivalent standing. Where academic qualifications are unrelated to the IT discipline it is essential that the applicant have relevant IT experience. In special circumstances an applicant holding other academic or professional qualifications and with relevant work experience and/or employer support may be admitted as a candidate.

2) Candidates must satisfactorily complete at least 24 credit points from the following list of subjects:

IACT901 IT Strategic Planning
IACT902 Applied Project Management
IACT904 International Telecommunications Policy Issues
IACT905 Information Technology and Innovation
IACT906 Business On-Line
IACT916 Organisational Issues in Information Technology
IACT917 Information Management

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IACT918</td>
<td>Corporate Network Management</td>
</tr>
<tr>
<td>IACT919</td>
<td>On-Line Information Services</td>
</tr>
<tr>
<td>IACT922</td>
<td>Case Studies in Information Technology Applications</td>
</tr>
<tr>
<td>IACT924</td>
<td>Corporate Network Design and Implementation</td>
</tr>
<tr>
<td>IACT926</td>
<td>The Impact of IT on Education and Training</td>
</tr>
<tr>
<td>IACT930</td>
<td>Special Topics</td>
</tr>
<tr>
<td>IACT931</td>
<td>Special Topics in Information and Communication Technology - A</td>
</tr>
<tr>
<td>IACT932</td>
<td>Special Topics in Information and Communication Technology - B</td>
</tr>
<tr>
<td>IACT933</td>
<td>Special Topics in Telecommunication Issues</td>
</tr>
<tr>
<td>ITCS923</td>
<td>The Wired World</td>
</tr>
<tr>
<td>ITCS932</td>
<td>Web Design</td>
</tr>
<tr>
<td>ITCS936</td>
<td>Enterprise Web Applications</td>
</tr>
<tr>
<td>ITCS937</td>
<td>Security, Risk Management and Control in Electronic Commerce</td>
</tr>
</tbody>
</table>

All subjects may not be available every year.

3) Students who qualify for the Graduate Certificate in Information and Communication Technology and who have achieved an average of a credit grade or better over all subjects, will be able to proceed to the Master of Information and Communication Technology. They will receive advanced standing of 24 credit points. The completion of the Masters will then require the satisfactory completion of a further 24 credit points as specified in the course structure for that course.

4) Prior to the conferring of a Master of Information and Communication Technology upon a candidate who holds a Graduate Certificate in Information and Communication Technology of this University, the candidate shall surrender the testamur and all rights relating to the Graduate Certificate.

**Graduate Certificate in Information & Communication Technology (Information Security)**

Conditions 1, 3, 4 are identical to those of the Graduate Certificate in Information and Communication Technology. Condition 2 follows:

2) Under the Graduate Certificate Rules, candidates must satisfactorily complete a total of not less than 24 credit points comprising the following:

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>IACT922</td>
<td>Case Studies in Information Technology Applications</td>
</tr>
<tr>
<td>CSCI980</td>
<td>Preliminary Topics in Computer Science A</td>
</tr>
<tr>
<td>IACT930</td>
<td>Special Topics</td>
</tr>
<tr>
<td>GSC971</td>
<td>Advanced Computer Security</td>
</tr>
</tbody>
</table>

**Graduate Certificate in Information & Communication Technology (Telecommunications)**

Conditions 1, 3, 4 are identical to those of the Graduate Certificate in Information and Communication Technology. Condition 2 follows:

Under the Graduate Certificate Rules, candidates must satisfactorily complete a total of not less than 24 credit points from Parts A and B of the following list of subjects. Of the 24 credit points attempted, at least 12 credit points must be IACT subjects from Part A.

**Part A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>IACT904</td>
<td>International Telecommunications Policy Issues</td>
</tr>
<tr>
<td>IACT918</td>
<td>Corporate Network Management</td>
</tr>
<tr>
<td>IACT919</td>
<td>On-Line Information Services</td>
</tr>
<tr>
<td>IACT924</td>
<td>Corporate Network Design and Implementation</td>
</tr>
</tbody>
</table>

**Part B**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IACT901</td>
<td>IT Strategic Planning</td>
</tr>
<tr>
<td>IACT902</td>
<td>Applied Project Management</td>
</tr>
<tr>
<td>IACT905</td>
<td>Information Technology and Innovation</td>
</tr>
<tr>
<td>IACT916</td>
<td>Organisational Issues in Information Technology</td>
</tr>
<tr>
<td>IACT917</td>
<td>Information Management</td>
</tr>
<tr>
<td>IACT922</td>
<td>Case Studies in Information Technology Applications</td>
</tr>
<tr>
<td>IACT926</td>
<td>The Impact of IT on Education and Training</td>
</tr>
<tr>
<td>IACT923</td>
<td>Special Topics in Telecommunications Issues</td>
</tr>
</tbody>
</table>

or any other subject approved by the head of the IT and Computer Science School.

All subjects may not be available every year.

**CSCI Graduate Subjects**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI991</td>
<td>Project</td>
</tr>
<tr>
<td>CSCI925</td>
<td>Topics in Software Engineering</td>
</tr>
<tr>
<td>CSCI944</td>
<td>Perception and Planning</td>
</tr>
<tr>
<td>CSCI945</td>
<td>Parallel Architectures and Algorithms</td>
</tr>
<tr>
<td>CSCI946</td>
<td>Multimedia Studies</td>
</tr>
<tr>
<td>CSCI957</td>
<td>Advanced Topics in Database Management</td>
</tr>
<tr>
<td>CSCI963</td>
<td>Advanced Computer Graphics</td>
</tr>
<tr>
<td>CSCI964</td>
<td>Neural Computing</td>
</tr>
<tr>
<td>CSCI965</td>
<td>Design and Analysis of Algorithms</td>
</tr>
<tr>
<td>CSCI966</td>
<td>Coding for Secure Communication</td>
</tr>
<tr>
<td>CSCI967</td>
<td>Complexity Theory</td>
</tr>
<tr>
<td>CSCI968</td>
<td>Network Security</td>
</tr>
<tr>
<td>CSCI971</td>
<td>Advanced Computer Security</td>
</tr>
<tr>
<td>CSCI974</td>
<td>Systems Analysis</td>
</tr>
<tr>
<td>INFO911</td>
<td>Data Mining and Knowledge Discovery</td>
</tr>
<tr>
<td>INFO912</td>
<td>Mathematics for Cryptography</td>
</tr>
<tr>
<td>INFO913</td>
<td>Information Theory</td>
</tr>
</tbody>
</table>

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Course Structures

ITCS921 Database Design and Implementation
ITCS922 Computer Security
ITCS931 Advanced Web Application Development
ITCS932 Web Design
ITCS933 Software Engineering Requirements and Specifications
ITCS934 Software Process Management
ITCS935 Software Engineering Formal Methods
ITCS936 Enterprise Web Applications

IACT Graduate Subjects

IACT901 IT Strategic Planning
IACT902 Applied Project Management
IACT904 International Telecommunications Policy Issues
IACT905 Information Technology and Innovation
IACT906 Business On-Line
IACT916 Organisational Issues in Information Technology
IACT917 Information Management
IACT918 Corporate Network Management
IACT919 On-line Information Services
IACT922 Case studies in Information Technology Applications
IACT924 Corporate Network Design and Implementation
IACT926 The Impact of IT on Education and Training
IACT930 Special Topics
IACT931 Special Topics in Information And Communication Technology - A
(Human-Computer interface)
IACT932 Special Topics in Information And Communication Technology - B
IACT933 Special Topics in Telecommunications Issues
ITCS923 The Wired World
ITCS932 Web Design
ITCS936 Enterprise Web Applications
ITCS937 Security, Risk Management and Control in Electronic Commerce

Graduate Additional Subjects List

CSCI980 Preliminary Topics in Computer Science A
CSCI981 Preliminary Topics in Computer Science B
CSCI982 Preliminary Topics in Computer Science C
CSCI983 Preliminary Topics in Computer Science D

Any subject at 900 level from: BUSS, MATH, STAT, or ECTE or any other 900 level subject approved by the Head of School.

SCHOOL OF MATHEMATICS & APPLIED STATISTICS

The following postgraduate courses are available:

Doctor of Philosophy
Honours Master of Science by either Research or both Coursework and Research
Master of Mathematics
Master of Statistics
Graduate Diploma in Statistics

Current Research Areas

The following areas of research are available to candidates undertaking the Honours Master of Science degree by research and the Doctor of Philosophy degree:

Analysis of aggregate data
Combinatorial designs
Continuum mechanics
Epidemiology
Experimental design
Fluid mechanics
Functional analysis
Goodness of fit
Groundwater flow
Image analysis
Industrial applications of mathematics
Logic
Measure theory
Multivariate analysis
Non-linear boundary value problems
Non-linear partial differential equations
Nonparametric and partially parametric inference
Numerical wave modelling
Partially parametric testing
Population dynamics
Quantum mechanics
Quasi-likelihood
Sample survey design analysis and methodology
Set theory
Solid and fracture mechanics
Spatial and geographical data analysis

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Faculty of Informatics

Statistical decision theory
Statistical quality control
Topological Groups
Topology
Tumour growth models

Doctor of Philosophy
Candidates for this degree enrol in either MATI1993 or STAT993.

Honours Master of Science (in Mathematics)
The degree of Honours Master of Science shall be subject to the University Course Rules for the award of the degree of Honours Master together with the following conditions.

1) A candidate shall undertake research, or a course of graduate studies and research, normally chosen from one of the postgraduate programs offered by the School of Mathematics and Applied Statistics.

2) Entry to the Honours Master of Science will normally be from an Honours bachelor degree in Mathematics at a standard of Class II, Division 2 or higher. Entry may also be approved for candidates with the qualification of Master of Mathematics on the recommendation of the Head of the School of Mathematics and Applied Statistics.

3) The Honours Master of Science will normally occupy two sessions of full-time study or four sessions of part-time study, and requires satisfactory completion of 900 level subjects to the value of at least 48 credit points chosen from one of the postgraduate programs offered by the School of Mathematics and Applied Statistics including either:
   a) the subject MATI1993 (48 credit points), or
   b) the subject MATI1992 (36 credit points) and other 900 level subjects to the value of at least 12 credit points approved by the Head of School. In exceptional circumstances, and subject to approval of the Head of the School, subjects with the value of at most 6 credit points from the program may be replaced by any other 900 level subjects with value of at least 6 credit points.

4) 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.

5) Each candidate shall have a supervisor appointed on the recommendation of the Head of the School of Mathematics and Applied Statistics.

6) Before the award of Honours Master of Science is conferred on a candidate who holds a testamur of the University of Wollongong for the degree of Master of Mathematics, the candidate shall be deemed to surrender the testamur and the corresponding rights to the degree of Master of Mathematics.

Core
Either
MATI1993 Project
or
MATI1992 Minor Thesis
or
MATI1993 Thesis

Electives
MATI1902 Solution of Differential Equations by One-Parameter Groups
MATI1912 Mathematics of Microwave Heating
MATI1913 Fluid Mechanics and Wave Theory
MATI1914 Analytical Dynamics
MATI1915 Applied Nonlinear Partial Differential Equations
MATI1916 Heat Conduction and Moving Boundary Problems
MATI1917 Advanced Numerical Analysis
MATI1918 Computational Fluid Mechanics
MATI1971 Advanced Topics in Applied Mathematics A
MATI1972 Advanced Topics in Applied Mathematics B
MATI1980 Preliminary Topics in Mathematics A
MATI1981 Preliminary Topics in Mathematics B

Note: Subjects offered may change each year. Check the Subject Database or contact the School.

Honours Master of Science (in Statistics)
The degree of Honours Master of Science shall be subject to the University Course Rules for the award of the degree of Honours Master together with the following conditions.

1) A candidate shall undertake research, or a course of graduate studies and research, normally chosen from one of the postgraduate programs offered by the School of Mathematics and Applied Statistics.

2) Entry to the Honours Master of Science will normally be from an Honours bachelor degree in Statistics at a standard of Class II, Division 2 or higher. Entry may also be approved for candidates with the qualification of Master of Statistics on the recommendation of the Head of the School of Mathematics and Applied Statistics.

3) The Honours Master of Science will normally occupy two sessions of full-time study or four sessions of part-time study, and requires satisfactory completion of 900 level subjects to the value of at least 48 credit points chosen from one of the postgraduate programs offered by the School of Mathematics and Applied Statistics including either:

   a) the subject MATI1993 (48 credit points), or
   b) the subject MATI1992 (36 credit points) and other 900 level subjects to the value of at least 12 credit points approved by the Head of School. In exceptional circumstances, and subject to approval of the Head of the School, subjects with the value of at most 6 credit points from the program may be replaced by any other 900 level subjects with value of at least 6 credit points.

4) 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.

5) Each candidate shall have a supervisor appointed on the recommendation of the Head of the School of Mathematics and Applied Statistics.

6) Before the award of Honours Master of Science is conferred on a candidate who holds a testamur of the University of Wollongong for the degree of Master of Mathematics, the candidate shall be deemed to surrender the testamur and the corresponding rights to the degree of Master of Mathematics.
Course Structures

a) the subject STAT993 (48 credit points), or

b) the subject STAT992 (36 credit points) and other 900 level subjects to the value of at least 12 credit points approved by the Head of School.

In exceptional circumstances, and subject to approval of the Head of the School, subjects with the value of at most 6 credit points from the program may be replaced by any other 900 level subjects with value of at least 6 credit points.

4) 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.

5) Each candidate shall have a supervisor appointed on the recommendation of the Head of the School of Mathematics and Applied Statistics.

6) Before the award of Honours Master of Science is conferred on a candidate who holds a testamur of the University of Wollongong for the degree of Master of Statistics, the candidate shall be deemed to surrender the testamur and the corresponding rights to the degree of Master of Statistics.

Core

Either

- STAT992 Thesis
- STAT993 Major Thesis

Electives

<table>
<thead>
<tr>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT901</td>
<td>Modern Inference</td>
</tr>
<tr>
<td>STAT902</td>
<td>Advanced Data Analysis</td>
</tr>
<tr>
<td>STAT903</td>
<td>Survey Design and Analysis</td>
</tr>
<tr>
<td>STAT904</td>
<td>Statistical Consulting</td>
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<tr>
<td>STAT905</td>
<td>Time Series</td>
</tr>
<tr>
<td>STAT906</td>
<td>Experimental Design</td>
</tr>
<tr>
<td>STAT941</td>
<td>Statistical Quality Control 1</td>
</tr>
<tr>
<td>STAT942</td>
<td>Design and Analysis for Quality Control</td>
</tr>
<tr>
<td>STAT944</td>
<td>Regression and Observational Studies</td>
</tr>
<tr>
<td>STAT951</td>
<td>Statistics in Health Research</td>
</tr>
<tr>
<td>STAT971</td>
<td>Preliminary Topics in Statistics A</td>
</tr>
<tr>
<td>STAT972</td>
<td>Preliminary Topics in Statistics B</td>
</tr>
<tr>
<td>STAT981</td>
<td>Advanced Topics in Statistics A</td>
</tr>
<tr>
<td>STAT982</td>
<td>Advanced Topics in Statistics B</td>
</tr>
<tr>
<td>STAT983</td>
<td>Advanced Topics in Statistics C</td>
</tr>
</tbody>
</table>

Note: Subjects offered may change each year. Check the subject database or contact the School.

Master of Mathematics

The degree of Master of Mathematics shall be subject to the University Course Rules for the award of the degree of Master together with the following conditions.

1) A candidate shall undertake a course of graduate studies and research, normally chosen from the graduate subjects offered by the School of Mathematics and Applied Statistics.

2) Entry to the Master of Mathematics will normally be from a pass degree with an appropriate 3 year sequence in Mathematics, or, subject to the approval of Council on the recommendation of the Head of School, from a degree or diploma containing substantial study in an appropriate discipline.

3) The Master of Mathematics will normally occupy two sessions of full-time study or four sessions of part-time study, and requires satisfactory completion of 900 level subjects to the value of at least 48 credit points, including the subject MATH991 (12 credit points) and other 900 level subjects to the value of at least 36 credit points approved by the Head of School.

In exceptional circumstances, and subject to approval of the Head of the School, subjects with the value of at most 12 credit points, other than MATH991, may be replaced by other 900 level subjects with value of at least 12 credit points offered by departments other than the School of Mathematics and Applied Statistics.

4) 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.

5) Each candidate shall have a supervisor appointed on the recommendation of the Head of the School of Mathematics and Applied Statistics.

Core

- MATH991 Project

Electives

<table>
<thead>
<tr>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH902</td>
<td>Solution of Differential Equations by One-Parameter Groups</td>
</tr>
<tr>
<td>MATH912</td>
<td>Mathematics of Microwave Heating</td>
</tr>
<tr>
<td>MATH913</td>
<td>Fluid Mechanics and Wave Theory</td>
</tr>
<tr>
<td>MATH914</td>
<td>Analytical Dynamics</td>
</tr>
<tr>
<td>MATH915</td>
<td>Applied Nonlinear Partial Differential Equations</td>
</tr>
<tr>
<td>MATH916</td>
<td>Heat Conduction and Moving Boundary Problems</td>
</tr>
<tr>
<td>MATH917</td>
<td>Advanced Numerical Analysis</td>
</tr>
<tr>
<td>MATH918</td>
<td>Computational Fluid Mechanics</td>
</tr>
<tr>
<td>MATH971</td>
<td>Advanced Topics in Applied Mathematics A</td>
</tr>
<tr>
<td>MATH972</td>
<td>Advanced Topics in Applied Mathematics B</td>
</tr>
<tr>
<td>MATH980</td>
<td>Preliminary Topics in Mathematics A</td>
</tr>
<tr>
<td>MATH981</td>
<td>Preliminary Topics in Mathematics B</td>
</tr>
</tbody>
</table>

Note: Subjects offered may change each year. Check the Subject Database or contact the School.
Master of Statistics

The degree of Master of Statistics shall be subject to the University Course Rules for the award of the degree of Master together with the following conditions.

1) A candidate shall undertake a course of graduate studies, normally chosen from the graduate Statistics subjects offered by the School of Mathematics and Applied Statistics.

2) Entry to the Master of Statistics will normally be from a pass degree with an appropriate 3 year sequence in Statistics, or an appropriate Graduate Diploma, or, subject to the approval of Council on the recommendation of the Head of School, from a degree or diploma containing substantial study in an appropriate discipline.

3) The Master of Statistics will normally occupy two sessions of full-time study or four sessions of part-time study, and requires satisfactory completion of 900 level Statistics subjects to the value of at least 48 credit points approved by the Head of School. The subject STAT990 must be included, except that with the approval of the Head of the School the subject STAT991 may replace STAT990. In some circumstances, and subject to approval of the Head of the School, Statistics subjects with the value of at most 12 credit points may be replaced by other 900 level subjects with the same or greater credit point value.

4) 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.

5) Each candidate shall have a supervisor appointed on the recommendation of the Head of the School of Mathematics and Applied Statistics.


Core

<table>
<thead>
<tr>
<th>Either</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT990</td>
<td>Minor Project</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>STAT991</td>
<td>Project</td>
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Electives

<table>
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<td>STAT981</td>
<td>Advanced Topics in Statistics A</td>
</tr>
<tr>
<td>STAT982</td>
<td>Advanced Topics in Statistics B</td>
</tr>
<tr>
<td>STAT983</td>
<td>Advanced Topics in Statistics C</td>
</tr>
</tbody>
</table>

Note: Subjects offered may change each year. Check the subject database or contact the School.

Graduate Diploma in Statistics

In addition to the University’s Rules for Graduate Diplomas, candidates for the Graduate Diploma in Statistics shall:

1) complete Statistics subjects to a value not less than 36 credit points from those listed in the BMath and MStat course structures, at least 24 credit points being for subjects at the 300-level or 900-level.

2) not include in the diploma program subjects which, in the opinion of the Head of School, are equivalent in contents to those for which credit has already been obtained towards some other degree or diploma.

3) have their programs approved by the Head of School before enrolling.

Satisfactory completion of the Graduate Diploma in Statistics permits registration for Master of Statistics.
ECTE901 Fast Signal Processing Algorithms 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC901/ECTE401
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.
Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in undergraduate courses. It forms a useful basis for subsequent DSP applications subjects. Topics covered will include: Discrete Transforms, including: FFT, DFT, DCT, etc., Wavelet transforms; Filter Design and Structures and Multirate Signal Processing (Interpolation, Decimation etc.); and current research developments.
Subject Objectives: A student who successfully completes this subject should be able to (a) analyse and understand digital signal processing algorithms; (b) design and utilise digital filters and filter banks; (c) use and implement discrete transforms such as the Fourier and the wavelet transforms; (d) apply digital signal processing solutions to problems in research or industrial environments; and (e) demonstrate appropriate practical and problem solving skills.
Additional Information: n/a
ECTE902 Stochastic Signal Processing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC901/ECTE402
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.
Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in undergraduate courses. It forms a useful basis for subsequent DSP applications subjects. The contents will consist of: stochastic signals; least squares analysis, including optimal linear filters; spectral analysis, including linear predictive analysis; and basic scalar quantisation schemes (e.g., PCM, DPCM, ADPCM).
Subject Objectives: A student who successfully completes this subject should be able to (a) analyse and understand digital signal processing algorithms; (b) use and implement techniques for processing stochastic signals; (c) design and utilise optimal linear filters and basic scalar quantisation schemes; (d) apply digital signal processing solutions to problems in research or industrial environments; and (e) demonstrate appropriate practical and problem solving skills.
Additional Information: n/a
Text books: Proakis, Digital Signal Processing, 3E96, Prentice Hall
ECTE903 Image and Video Processing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE403
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.
Subject Description: The aim of this subject is to extend digital signal processing knowledge gained in undergraduate courses. The contents will consist of: applying digital signal processing in image and video processing applications, including current research developments.
ECTE904 Adaptive Signal Processing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC907/ECTE404
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.
Subject Description: The aim of this subject is to extend digital signal processing knowledge gained in undergraduate courses. The contents will consist of: applying digital signal processing in adaptive signal processing (echo cancellation, channel equalisation, etc.) applications, including current research developments.
Subject Objectives: A student who successfully completes this subject should be able to (a) implement digital signal processing techniques in new applications; (b) demonstrate an understanding of both theoretical and applications-related problems of the adaptive signal processing systems; (c) apply advanced digital signal processing solutions to problems in research or industrial environments; and (d) implement a real-time application or simulation using adaptive signal processing systems.
Additional Information: n/a
Text books: n/a
ECTE905 Speech and Audio Processing 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC908/ECTE405
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.
Subject Description: The aim of this subject is to extend the digital signal processing knowledge gained in undergraduate courses. The contents will consist of: applying digital signal processing in speech and audio processing applications, including current research developments.
Subject Objectives: A student who successfully completes this subject should be able to (a) implement digital signal processing techniques in new applications; (b) demonstrate an understanding of both theoretical and applications-related problems of the speech and audio processing systems; (c) apply advanced digital signal processing solutions to problems in research or industrial environments; and (d) implement a real-time application or simulation using speech and audio processing systems.
Additional Information: n/a
Text books: n/a
ECTE911 AC-Sourced Power Electronics 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC912/ECTE411
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: Topics covered in this subject include: ac-sourced power electronics devices and their main applications, ac to dc power conversion and its industrial applications, ac voltage controllers, high power conversion in electric power utilities, harmonics and current research developments.

Subject Objectives: A student who successfully completes this subject should be able to: (a) identify speed/power characteristics of power electronics devices and their major applications; (b) demonstrate adequate knowledge of electric power conversion processes at domestic, industrial and commercial loads; (c) develop analysis skills for basic power electronics circuits; (d) identify common problems associated with power electronic circuit operation and methods of solutions; (c) demonstrate an understanding of recent developments in power electronics, circuits and related technologies; and (f) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a
Text books: Mohan et al, Power Electronics Converter Applications, 2EWIE, John Wiley and Sons
Session contact campus delivery method
n/a

ECTE912 DC-Sourced Power Electronics 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC911/ECTE412
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: This subject will study power conversion circuits with dc-supplies and using modern power switching devices. Topics covered include: power switching devices and their application (diode, MOSFET, IGBT, gto), dc-dc conversion (choppers), including switch-mode power supplies, ac-ac conversion using inverters, including methods of pulse width modulation and current research developments.

Subject Objectives: A student who successfully completes this subject should be able to: (a) analyse dc-dc and dc-ac power conversion circuits; (b) select appropriate component values for these circuits; (c) select suitable devices for the above circuits and describe their characteristics; (d) analyse non-ideal effects in the above circuits; (e) describe industrial applications for the above circuits; and (f) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a
Text books: n/a
Session contact campus delivery method
n/a

ECTE913 Micro-Electronics 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE413
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The aim of this subject is to extend the electronics knowledge gained in undergraduate courses. Topics covered will include: theory of operation of BJT and FET devices; the use of FET devices in analogue and digital circuits; CMOS logic family; oscillators; high frequency amplifiers; VLSI design techniques; gate arrays; programmable logic devices; memory cells and current research developments. The practical component will consist of using Electronics Simulation Packages to (a) model circuits and examine their behaviour; (b) perform a logical design, (c) program the design into a programmable device and test its performance.

Subject Objectives: A student who successfully completes this subject should be able to: (a) demonstrate an understanding of the operation of BJT and FET devices; (b) use FET devices in analogue and digital circuits; (c) demonstrate an understanding of VLSI design techniques; (d) model circuits and perform a logical design using Electronics Simulation Packages; and (e) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a
Text books: n/a
Session contact campus delivery method
n/a

ECTE921 Power Quality 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC970/ECTE421
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: This subject will study 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.

Subject Objectives: A student who successfully completes this subject should be able to: (a) describe the main features of a power supply system of relevance to the supply of sensitive loads, (b) describe the main types of power supply disturbances and their origin; (c) discuss the main types of sensitive loads and their disturbance emission and susceptibility characteristics; (d) analyse example installations for the level of disturbances and compare with industrial standards; and (e) suggest appropriate mitigation means where standard levels are exceeded; and (f) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a
Text books: n/a
Session contact campus delivery method
n/a

ECTE922 Power Quality Monitoring 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE422
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: This subject will treat measurement techniques and waveform interpretation relevant to the operation of sensitive equipment with a non-ideal power supply. The different types of waveform disturbances and their characterisation will be discussed, such as harmonics, inter-harmonics, flicker and voltage sag. Relevant standards for signal analysis will be examined and their approach justified. There will also be a treatment of transducers and current research developments will be included.

Subject Objectives: A student who successfully completes this subject should be able to: (a) describe the main types of power supply disturbances and their characterisation; (b) identify the waveform signatures of different types of disturbances; (c) discuss the main features of the relevant instrumentation standards; (d) discuss the non-ideal behaviour of real voltage and current transducers; (e) discuss the different types of power quality monitors and their main functional blocks; (f) develop programs to fund the parameters of waveforms, and (g) demonstrate appropriate practical and problem solving skills.
ECTE923 Power Systems 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC920/ECTE423

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: Topics covered in this subject include: an introduction to power systems comprising thermal and hydro power stations, transmission lines and distribution systems, renewable energy, other energy sources such as solar energy, windmills, sea waves and geothermal, computer applications in power systems planning, design, control and operation, review of basic analysis tools, reactive power management, load flow and fault analysis and flexible ac transmission technology, environmental considerations and current research developments.

Subject Objectives: A student who successfully completes this subject should be able to: (a) identify traditional and modern sources of power; (b) demonstrate adequate knowledge of power systems operation in general and Australian and N.S.W. systems in particular; (c) gain analysis skills using both calculator and computer simulations for basic system calculations; (d) demonstrate an understanding of recent developments in power systems technologies both at power industries and power utilities; (e) understand environmental considerations of power generation and usage; and (f) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a


ECTE924 Power System Abnormalities 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE424

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: Topics covered include: reliability concerns, insulation requirements and protection methods of energy systems. The design aspect of energy systems for reliable and economical energy supply, internal and external overvoltage protection of energy systems and terminal equipment, stability limits of energy systems; the application of electromagnetic transient programmes (EMTP) for insulation co-ordination and current research developments will be discussed.

Subject Objectives: A student who successfully completes this subject should be able to: (a) demonstrate an understanding of the critical factors that influence the reliability of electrical energy systems; (b) recognise the need for proper protection methods; (c) identify insulation requirements; (d) use simulation programs to understand the behaviour of electrical energy systems under specific over-voltages, and (c) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a

TECTE926 Power Equipment Design 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE426

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: Topics covered in this subject include: design aspects of transformers, ac motors and generators and industrial actuators for motion control. The design and analysis of magnetic circuits to meet requirements such as: torque/weight ratio, losses, heating and cooling will be addressed. Essentials of electromagnetic analysis using simulation software (e.g., finite element methods) and current research developments will be covered.

Subject Objectives: A student who successfully completes this subject should be able to: (a) understand the requirements of the electrical equipment required for power systems and industrial processes; (b) discuss the electromagnetic principles that are required in the design of electrical equipment and motion control devices; (c) apply appropriate electromagnetic principles in the design to meet the requirements of the process; (d) use and realise the importance of simulation software in the design process to obtain optimum performance; and (e) demonstrate appropriate practical and problem solving skills.

ECTE931 Real-Time Computing 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE431

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The aim of this subject is to extend the digital hardware knowledge gained in undergraduate courses. Topics covered will include: real-time operating systems, interrupts, interfacing to real world signals; use of A/D and D/A converters; multi-tasking, multi-threading, clocks and timers; direct digital control; and current research developments. The practical component will consist of writing real-time programs on DSP and micro-controller computer systems.
Subject Objectives: A student who successfully completes this subject should be able to (a) demonstrate an understanding of real-time operating systems; (b) implement a real-time system on a microcontroller or DSP processor; (c) design interfacing circuitry between microprocessors and real-world signals; (d) write real-time programs on DSP and micro-controller computer systems; and (e) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a

ECTE932 Computer Systems 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a

Exclusions: ELEC932/ECTE432

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The aim of this subject is to extend the digital hardware knowledge gained in undergraduate courses. Topics covered will include: CPU organisation; complex instruction sets; reduced instruction sets; I/O structures; interrupts; direct memory access; intelligent peripherals; interfacing to real world signals; use of A/D and D/A converters; multi-processors; parallel DSP architectures and current research developments. The practical component will consist of writing programs on micro-controller computer systems.

Subject Objectives: A student who successfully completes this subject should be able to (a) explain the principles of the organisation, operation and design of Complex Instruction Set Computers and their control units; (b) explain the principles of system design, with particular emphasis on interconnection and I/O structures; (c) design interfacing circuitry between microprocessors and real-world signals; (d) write programs on micro-controller computer systems; and (e) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a


Session contact campus delivery hours method
Autumn 24hrs Lec Wollongong On Campus /Tut/Prac

ECTE941 Intelligent Control 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a

Exclusions: ELEC943/ECTE441

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The subject provides the knowledge and skills required to model, analyse and design a system using intelligent methods. The contents will consist of: introduction to fuzzy systems, introduction to artificial neural network, crisp fuzzy control systems, adaptive fuzzy control systems, neuro-fuzzy control systems and current research developments.

Subject Objectives: A student who successfully completes this subject should be able to (a) model a system using fuzzy and artificial neural networks methods; (b) design, simulate and implement crisp and adaptive fuzzy controllers to improve the performance of a system; (c) design, simulate and implement neuro-fuzzy systems to improve the performance of a system; and (d) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a


Session contact campus delivery hours method
Autumn 24hrs Lec Wollongong On Campus /Tut/Prac

ECTE942 Computer Controlled Systems 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a

Exclusions: ELEC943/ECTE442

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: This subject provides the knowledge and skills required to model, analyse and design computer controlled systems in the z-domain. The contents will consist of: Discrete time state space modelling of system, stability analysis in state space, controllability and observability, pole placement design and state feedback, state observer design and current research developments.

Subject Objectives: A student who successfully completes this subject should be able to (a) model a system using the discrete state space approach; (b) analyse the behaviour and stability of a discrete time system using state space approach; (c) design, simulate and implement state feedback controllers to improve the performance of a system; (d) design, simulate and implement observers to improve the performance of a system; and (e) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a


Session contact campus delivery hours method
Autumn 24hrs Lec Wollongong On Campus /Tut/Prac

ECTE943 Digital Control 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a

Exclusions: ELEC943/ECTE443

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: This subject provides the knowledge and skills required to model, analyse and design computer controlled systems in the z-domain. The contents will consist of: Impulse sampling, stability analysis in the Z-domain, root locus analysis and design in the Z-domain, W-transformation, frequency response analysis and design in the Z-domain and current research developments.

Subject Objectives: A student who successfully completes this subject should be able to (a) model a system using Z-transform and W-transform; (b) analyse the behaviour and stability of a discrete time system using root-locus; (c) analyse the behaviour and stability of a discrete time system using frequency response methods; (d) design, simulate and implement digital compensators in Z-domain to improve the performance of a system; and (e) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a


Session contact campus delivery hours method
Autumn 24hrs Lec Wollongong On Campus /Tut/Prac

ECTE944 Identification and Optimal Control 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a

Exclusions: ELEC944/ECTE444

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The subject provides the knowledge and skills required to identify the model of a system and optimise its performance. The contents will consist of: system identification using the least square
method and quadratic performance index; quadratic optimal control; Kalman filters; and applications of genetic algorithms in system identification and optimal control, including current research developments.

**Subject Objectives:** A student who successfully completes this subject should be able to (a) identify the mathematical model of a system using least square, performance index and genetics algorithms methods; (b) design Kalman filters for optimal estimation and stochastic optimal control of a system; (c) design and simulate an optimal control based on a quadratic performance index; (d) design and simulate an optimal control based on genetics algorithms; and (e) demonstrate appropriate practical and problem solving skills.

**Additional Information:** n/a

**ECTE945 Advanced Intelligent Control** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** ECTE941

**Assessment:** See Subject Information Sheet those presented here are only a guide. Final examination - 60% Individual and/or group assignments (including theoretical and practical/laboratory projects) - 30% Oral presentation - 10%

**Subject Description:** The aim of this subject is to provide students with the knowledge and skills required to model, analyse and design a system using intelligent methods. The contents will consist of: introduction to fuzzy systems, introduction to artificial neural network, crisp fuzzy control systems, adaptive fuzzy control systems, and neuro-fuzzy control systems. Students will be required to undertake an advanced project involving current research developments.

**Subject Objectives:** Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. model a system using fuzzy and artificial neural networks methods; 2. design, simulate and implement crisp and adaptive fuzzy controllers to improve the performance of a system; 3. design, simulate and implement neuro-fuzzy systems to improve the performance of a system; and 4. undertake a literature survey and/or undertake practical research on the project topic; 5. demonstrate a high level of written and oral communication skills; and 6. demonstrate high level practical and problem solving skills.

**Additional Information:** n/a

**Text books:** n/a

**ECTE946 Advanced Computer Controlled Systems** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** ECTE942

**Assessment:** See Subject Information Sheet those presented here are only a guide. Final examination - 60% Individual and/or group assignments (including theoretical and practical/laboratory projects) - 30% Oral presentation - 10%

**Subject Description:** The aim of this subject is to provide students with the knowledge and skills required to model, analyse and design computer controlled systems in the z-domain. The contents will consist of: discrete time state space modelling of system, stability analysis in state space, controllability and observability, pole placement design and state feedback, state observer design. Students will be required to undertake an advanced project involving current research developments.

**Subject Objectives:** Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. model a system using the discrete state space approach, 2. analyse the behaviour and stability of a discrete time system using state space approach; 3. design, simulate and implement state feedback controllers to improve the performance of a system; 4. design, simulate and implement observers to improve the performance of a system; 5. undertake a literature survey and/or undertake practical research on the project topic; 6. demonstrate a high level of written and oral communication skills; and 7. demonstrate high level practical and problem solving skills.

**Additional Information:** n/a


**ECTE951 Thesis** 48 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Thesis

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

**ECTE953 Report** 12 cp

**Pre-requisites:** ECTE955

**Co-requisites:** 36 credit points at 900-level

**Restrictions:** n/a

**Exclusions:** ELEC953

**Assessment:** A final report marked (Supervisor - 60%, and Examiner - 40% report), The Supervisor's mark includes both the project and report component.

**Subject Description:** Projects may involve a hardware project; a software project; or an extensive literature survey; or a combination of any of these. Where possible the projects are related to the research programs of the School and are chosen to develop the student's initiative. Each student is required to deliver an oral seminar and to prepare a final thesis on the result of the work undertaken.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

**ECTE955 Advanced Laboratory** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** ELEC955

**Assessment:** See Subject Information Sheet those presented here are only a guide. Reports 40%; Examination 60%.

**Subject Description:** The aim of this subject is to provide students with an opportunity to apply and verify theory in areas associated with the postgraduate programs through laboratory experiments and computer studies. Students will be expected to design, and perform experiments; analyse results; and write reports on projects selected to illustrate practical issues selected from the two postgraduate programs.

**Subject Objectives:** On successfully completing this subject, the student should be able to: (a) understand the theory underpinning the project; (b) design and perform experiments and computer studies to illustrate theory; (c) write reports covering the theoretical background,
ECTE956 Internet Project 6 cp

Pre-requisites: n/a
Co-requisites: ECTE991

Restrictions: For students not enrolled in the MIT, approval from the MIT Course Co-ordinator is required for enrolment in this subject.

Exclusions: n/a

Assessment: See Subject Information Sheet those presented here are only a guide. Technical report Oral presentation and project demonstration

Subject Description: This subject involves students working on a 6 credit point project. The project may either be undertaken by an individual or a group of students. It may be a project that involves hardware and or software development associated with Internet technology. It may also take the form of an extensive literature survey or market evaluation of various internet related technologies including specific internet applications. Each student is required to deliver an oral presentation and demonstrate the results obtained. Each student will be required to complete a final thesis report detailing the work undertaken and results achieved.

Subject Objectives: Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. demonstrate an ability to plan and execute a project from its initial definition phases to final completion, 2. demonstrate an understanding of the theoretical/practical aspects of the project to the point where given project specifications can be satisfied, 3. carry out critical literature reviews and or undertake practical research on the defined project, and 4. show a high level of written and oral communication skills. Each student is required to deliver an oral presentation and demonstrate the results obtained. Each student will be required to complete a final thesis report detailing the work undertaken and results achieved.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method
Spring 39hrs Wollongong On Campus
Autumn 39hrs Wollongong On Campus

ECTE957 Advanced Internet Project 12 cp

Pre-requisites: Credit Grade or better in ECTE956
Co-requisites: ECTE991

Restrictions: For students not enrolled in the MIT, approval from the MIT Course Co-ordinator is required for enrolment in this subject.

Exclusions: n/a

Assessment: See Subject Information Sheet those presented here are only a guide. Technical report Oral presentation and project demonstration

Subject Description: This subject involves students working on a major 12 credit point project. The project can be either undertaken by an individual or a group of students. It may be a project that involves hardware and or software development associated with Internet technology. It may also take the form of an extensive literature survey or market evaluation of various internet related technologies and associated aspect including specific applications. Each student is required to deliver an oral presentation and demonstration of the results obtained. A final thesis report will be provided by the student detailing the work undertaken and results achieved.

Subject Objectives: Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. demonstrate an ability to plan and execute a project from its initial phases to final completion, 2. demonstrate an understanding of the theoretical/practical aspects of the project to the point where given project specifications can be satisfied, 3. carry out critical literature reviews and or undertake practical research on the defined project, and 4. show a high level of written and oral communication skills. Each student is required to deliver an oral presentation and demonstrate the results obtained. Each student will be required to complete a final thesis report detailing the work undertaken and results achieved.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method
Spring 2 hours tutorial per week Wollongong On Campus
Autumn 2 hour tutorial per week Wollongong On Campus

ECTE958 Advanced Mechatronics Laboratory 6 cp

Pre-requisites: n/a
Co-requisites: n/a

Restrictions: n/a

Exclusions: ECTE955

Assessment: See Subject Information Sheet those presented here are only a guide. Final examination - 60% Individual and/or group assignments (including theoretical and practical/laboratory projects) - 40%

Subject Description: The aim of this subject is to provide students with an opportunity to apply and verify theory through mechatronics laboratory experiments and computer studies. Students will be expected to design, and perform experiments; analyse results; and write reports on projects related to mechatronics activities within the research programs.

Subject Objectives: Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. understand the theory underpinning the projects; 2. design and perform experiments and computer studies to illustrate theory; 3. write reports covering the theoretical background, justification and description of the experimental procedure, analysis of results and conclusions arising from the experiments; and 4. show initiative and ability in solving engineering problems and producing practical results with minimum supervision; 5. demonstrate a high level of written and oral communication skills; and 6. demonstrate high level practical and problem solving skills.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method
Spring 2 hour Wollongong On Campus
Autumn 3 hour practical per week Wollongong On Campus

ECTE961 Telecommunications Queueing Theory 6 cp

Pre-requisites: n/a
Co-requisites: n/a

Restrictions: n/a

Exclusions: ELEC960/ECTE461

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%

Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including analysis of delay and loss queueing systems, undertake Markov modelling and analysis, and calculate blocking probabilities of telephone switching equipment. Topics covered will include: queueing theory, Markov chain analysis, throughput and congestion analysis, Erlang and Engset distributions, blocking probability, overflow traffic and current research developments.
ECTE962 Telecommunications System Modelling 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC962/ECTE962

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including skills to analyse and dimension telephone exchanges, trunk lines, Internet switches and circuit and packet switched networks. Topics covered will include: telephone and data networks and systems, mixed voice and data queueing systems, optimal capacity allocation, direct and alternate routing and current research developments.

Subject Objectives: A student who successfully completes this subject should be able to: (a) analyse circuit and packet switched networks and systems; (b) analyse mixed voice and data queueing systems; (c) optimally allocate capacity in transmission links in telecommunication networks; and (d) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a


ECTE963 Transmission Systems 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC962/ELEC980/ECTE463

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: Topics covered include: Maxwell's equations, wave propagation in transmission lines, the Smith chart, wave guides, optical fibres and current research developments. The aim of this subject is to provide methods of characterising distributed passive transmission media such as transmission lines, wave guides, and fibre optics.

Subject Objectives: A student who successfully completes this subject should be able to: (a) demonstrate an understanding of electromagnetic wave propagation; (b) apply this knowledge to transmission lines, wave guides and fibre optics; (c) demonstrate an understanding of fibre optic geometries; and (d) demonstrate appropriate problem solving skills.

Additional Information: n/a

Text books: n/a

ECTE964 Antennas and Propagation 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC962/ELEC983/ECTE464

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The aim of this subject is to teach students the theory and highlight the major problems involved in application of spread-spectrum communications. The contents will consist of: basic spread-spectrum techniques, principles of code division multiple access (CDMA), design of spreading sequences, detection techniques for CDMA and current research developments. The taught concepts will be illustrated by examples of existing spread-spectrum communication systems for radio, mobile communication, and wireless local area networks. The taught concepts will be illustrated by examples of existing spread-spectrum communication systems and those being developed.

Subject Objectives: A student who successfully completes this subject should be able to: (a) analyse and understand transmission phenomena of mobile radio channel; (b) analyse parameters and understand operation principles of mobile telephone and PCs; (c) select and optimise channel access technique for wireless application; (d) design error control algorithms for wireless applications; and (e) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a


ECTE965 Wireless Communications 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE465

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The aim of this subject is to introduce wireless communication systems, including cellular telephony, personal communications, and wireless local area networks. The contents will consist of: mobile radio channel characterisation, channel access techniques used in wireless systems, error control coding and current research developments. The taught concepts will be illustrated by examples of existing wireless communication systems and those being developed.

Subject Objectives: A student who successfully completes this subject should be able to: (a) analyse and understand transmission phenomena of mobile radio channel; (b) analyse parameters and understand operation principles of mobile telephone and PCs; (c) select and optimise channel access technique for wireless application; (d) design error control algorithms for wireless applications; and (e) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a

Text books: n/a

ECTE966 Spread Spectrum Communications 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE466

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The aim of this subject is to teach students the theory and highlight the major problems involved in application of spread-spectrum communications. The contents will consist of: basic spread-spectrum techniques, principles of code division multiple access (CDMA), design of spreading sequences, detection techniques for CDMA and current research developments. The taught concepts will be illustrated by examples of existing spread-spectrum communication systems for radio, mobile communication, and wireless local area networks. The taught concepts will be illustrated by examples of existing spread-spectrum communication systems and those being developed.

Subject Objectives: A student who successfully completes this subject should be able to: (a) analyse and understand transmission phenomena of mobile radio channel; (b) analyse parameters and understand operation principles of mobile telephone and PCs; (c) select and optimise channel access techniques for wireless application; (d) design error control algorithms for wireless applications; and (e) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a

Text books: n/a
ECTE967 Mobile Networks 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE467

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

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 process, mobility in the Internet, emerging third generation mobile networks and current research developments.

Subject Objectives: A student who successfully completes this subject should be able to (a) describe operation principles of mobile networks; (b) analyse and dimension mobile network radio cells; (c) describe the proper use of mobile radio standards; (d) analyse mobile communication networks for testing and maintenance; and (e) pursue an individual project in the area of mobile networks.

Additional Information: n/a

ECTE968 Error Control Coding 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE468

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The subject includes general concepts of information transmission and covers error-correction techniques applied to data transmission over error-prone (noisy) channels. Topics covered are forward error correction schemes like linear codes, cyclic codes, block codes (e.g. BCH and Reed-Solomon codes), and convolutional codes, as well as error control for channels with feedback, e.g. automatic repeat request (ARQ) coding and current research developments.

Subject Objectives: A student who successfully completes this subject should be able to (a) explain general concepts of information transmission; (b) design and implement block codes over finite fields; (c) design and implement convolutional codes; and (d) demonstrate appropriate practical and problem solving skills.

Additional Information: n/a

ECTE970 Advanced Topics in Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: See Subject Information Sheet.

Subject Description: The aim of ECTE970 is to enable students to further their knowledge and abilities in topics selected from the advanced technical subject areas in the relevant postgraduate program areas. Topics will be selected from the fields of computer and telecommunications engineering or automation and power engineering and will include current research developments.

Additional Information: n/a

ECTE971 Robotics Manipulators 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC973/ECTE471

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: The subject provides the knowledge and skills required to design appropriate sensors for the intelligent operation of robotics manipulators. Topics covered include: intelligent operation of robotics manipulators; control of a robotics arm; planning the integration of a robotics arm into a production line; and the demonstration of appropriate practical and problem solving skills.

Additional Information: n/a

ECTE972 Robotics Sensory Control 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC973/ECTE472

Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.

Subject Description: This subject provides the knowledge and skills required to design appropriate sensors for the intelligent operation of robotics manipulators. Topics covered include: intelligent operation of robotics manipulators; control of a robotics arm; planning the integration of a robotics arm into a production line; and the demonstration of appropriate practical and problem solving skills.

Additional Information: n/a

ECTE973 Advanced Robotics Manipulators 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE971

Assessment: See Subject Information Sheet those presented here are only a guide. Final examination - 60% Individual and/or group assignments (including theoretical and practical/laboratory projects) - 30%; Oral presentation - 10%
**Subject Description:** The aim of this subject is to provide students with the knowledge and skills required to model, analyse, design and employ a robotics manipulator. The contents will consist of: Industrial robots as a component of automation, mathematical modelling of a robotics arm, direct and inverse kinematics model, direct and inverse dynamics model, trajectory planning, robot control. Students will be required to undertake an advanced project involving current research developments.

**Subject Objectives:** Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. design and simulate a robotics manipulator to perform a specific task; 2. plan the trajectory of the motion of a robotics manipulator; 3. control a robotics arm; 4. plan the integration of a robotics arm in a production line; 5. undertake a literature survey and/or undertake practical research on the project topic; 6. demonstrate a high level of written and oral communication skills; and 7. demonstrate high level practical and problem solving skills.

**Additional Information:**

- **ECTE974 Advanced Robotics Sensory Control 6 cp**
  - **Pre-requisites:** n/a
  - **Co-requisites:** n/a
  - **Restrictions:** n/a
  - **Exclusions:** ECTE972
  - **Assessment:** See Subject Information Sheet those presented here are only a guide. Final examination - 60% Individual and/or group assignments (including theoretical and practical/laboratory projects) - 30% Oral presentation - 10%
  - **Subject Description:** The aim of this subject is to provide students with the knowledge and skills required to design appropriate sensors for the intelligent operation of a robotics systems. Topics covered include: intelligent operation of robots, industrial vision, hand-eye control of a robot, tactile sensors, force sensors, ultrasound sensors, and other sensors. Students will be required to undertake an advanced project involving current research developments.
  - **Subject Objectives:** Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. design and employ a vision sensor for hand-eye control of a robot arm; 2. design and employ a tactile sensor for intelligent grasping; 3. design and employ a force sensor for compliant manipulation; 4. design and employ an ultrasound sensor for autonomous motion of a robotics arm; and 5. undertake a literature survey and/or undertake practical research on the project topic; 6. demonstrate a high level of written and oral communication skills; and 7. demonstrate high level practical and problem solving skills.
  - **Additional Information:**

- **ECTE982 Internet Engineering 6 cp**
  - **Pre-requisites:** n/a
  - **Co-requisites:** n/a
  - **Restrictions:** n/a
  - **Exclusions:** ECTE482
  - **Assessment:** See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%
  - **Subject Description:** This subject will provide students with an understanding of the design and operation of computer networks, with emphasis on the Internet. Students will learn what networks are and how they work today, and how they are likely to evolve in the future. Topics to be studied will include: design and operation of the Internet (including IPv4, OSPF, BGP, Mobile IP, CIDR, mobile IP, IPv6, TCP, and UDP), the role of ATM in the Internet (including the use of MPOA and MPLS), and mechanisms for engineering networks to provide QoS (such as RSVP, RTP, ATM service classes, and IETF DiffServ). There will be both written and programming assignments.
  - **Subject Objectives:** A student who successfully completes this subject should be able to (a) explain the operation of Internet protocols such as IP, OSPF, BGP, CIDR, TCP and UDP; (b) analyse the performance of protocols such as TCP in the presence of congestion and errors; (c) analyse performance of technologies such as ATM and label switching, in the context of the Internet; (d) enumerate tradeoffs between efficiency and Quality of Service when using mechanisms such as RSVP and DiffServ; and (e) demonstrate appropriate practical and problem solving skills.
  - **Additional Information:**

- **ECTE983 Computer Networking 6 cp**
  - **Pre-requisites:** n/a
  - **Co-requisites:** n/a
  - **Restrictions:** n/a
  - **Exclusions:** ELEC969/ECTE483
  - **Assessment:** See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%
  - **Subject Description:** The aim of this subject is to provide students with an understanding of the techniques that are used to provide communication between computer systems. Topics covered will include: modems, addressing, routing, interworking, congestion control in computer networks and current research developments.
  - **Subject Objectives:** A student who successfully completes this subject should be able to (a) describe the techniques used to implement real computer networks (including addressing, routing and interworking); (b) demonstrate an understanding of the techniques used to provide communication between computer systems; and (c) demonstrate appropriate practical and problem solving skills.
  - **Additional Information:**
ECTE984 Network Design and Analysis 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ECTE485
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.
Subject Description: The aim of this subject is to provide students with the engineering skills to analyse multi-service packet switched networks and systems. Topics covered will include simulation and numerical techniques in queuing, software tools for analysis of queuing systems and networks, queuing performance analysis of Internet, ATM and mobile multi-service networks, and current research developments.
Subject Objectives: A student who successfully completes this subject should be able to (a) perform simulation and numerical analysis of packet switched networks and systems, (b) dimension multi-service networks and systems, and (c) demonstrate appropriate practical and problem solving skills.
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
n/a

ECTE985 Layered Communication Architectures 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC969/ECTE485
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.
Subject Description: The aim of this subject is to provide students with an understanding of the techniques that are used to provide communication between computer systems. Topics covered will include layered protocol architectures, circuit and packet switching, asynchronous and synchronous transmission, coding, error detection and correction, flow control and current research developments.
Subject Objectives: A student who successfully completes this subject should be able to (a) explain the principles of layered protocol architectures; (b) explain the principles of circuit and packet switching; (c) analyse the performance of circuit and packet switching networks; (d) analyse the performance of error and flow control protocols; and (e) demonstrate appropriate practical and problem solving skills.
Additional Information: n/a
Text books: W. Stallings, Data and Computer Communication, SIE97, Prentice Hall.
Session contact campus delivery method
n/a

ECTE986 Telecommunications Network Management 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: ELEC965/ECTE486
Assessment: See Subject Information Sheet those presented here are only a guide. Written examinations 70%; Assignments 30%.
Subject Description: The aims of this subject are to provide students with an understanding of the technical issues of telecommunications management, to provide practical hands-on experience of network configuration and management systems and to make students aware of economic, management and political issues in telecommunications management. Topics covered will include private and public communications systems; LANs and SNMP; integration of voice, data and video in networks; general management issues; international standards; and current research developments.
Subject Objectives: A student who successfully completes this subject should be able to (a) demonstrate an understanding of the technical issues involved in telecommunications management; (b) explain strategic management issues, including the options created by emerging technologies; (c) undertake practical experimentation in network configuration; and (d) demonstrate appropriate practical and problem solving skills.
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
n/a

ECTE991 Internet Fundamentals 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: For students not enrolled in the MIT, approval from the MIT Course Co-ordinator is required for enrolment in this subject.
Exclusions: n/a
Assessment: See Subject Information Sheet those presented here are only a guide. Final examination Individual and group assignments (involving theoretical and practical/laboratory projects) Oral presentation
Subject Description: The aim of this subject is to provide an overview of the Internet at a system level. In other words, the subject will provide an operational description of the Internet and its main components. The following topics will be covered: Internet evolution and current status, generic network infrastructure and configuration, layered communication architectures and protocols, access technologies, Internet security and management, case studies of Internet applications.
Subject Objectives: Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. explain the Internet system functionality including the interrelationships between various components, 2. describe typical Internet networking solutions including access technologies, 3. explain peer to peer layered protocol architectures, 4. describe and understand the various issues and trade-offs associated with Internet security and management aspects, and 5. demonstrate appropriate practical skills in terms of typical Internet applications and their requirements.
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Autumn 3 hours Lecture/Tut/ Practical per week Wollongong On Campus
Spring 3 hours Lecture/Tut/ Practical per week Wollongong On Campus

ECTE992 Internet Networking Protocols 6 cp
Pre-requisites: n/a
Co-requisites: ECTE991
Restrictions: For students not enrolled in the MIT, approval from the MIT Course Co-ordinator is required for enrolment in this subject.
Exclusions: n/a
Assessment: See Subject Information Sheet those presented here are only a guide. Final examination Individual and group assignments (involving theoretical and practical/laboratory projects) Oral presentation
Subject Description: This subject will provide students with an understanding of protocols used in computer networks with a particular focus on Internet networks. Topics to be studied will include: LAN medium access control protocols, congestion/flow/error control, routing, addressing, internetworking, design and operation of the Internet (including IPv4 & 6, OSPF, BGP, Mobile IP, CIDR, TCP and
Subject Descriptions

ECTE993 Access Technologies 6 cp

Pre-requisites: n/a
Co-requisites: ECTE991

Restrictions: For students not enrolled in the MIT, approval from the MIT Course Co-ordinator is required for enrolment in this subject.

Exclusions: n/a

Assessment: See Subject Information Sheet those presented here are only a guide. Final examination Individual and group assignments (involving theoretical and practical/laboratory projects) Oral presentation

Subject Description: The aim of this subject is to provide a detailed overview of wireless Internet access networks. The following topics will be covered: wire line access technologies, 56K modems, xDSL technology for broadband Internet access using existing copper loop, cable modem technology, optical fibre technology (including fibre to the home and curb options), optical fibre link design considerations.

Subject Objectives: Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. Explain the range of wire line access technologies options currently available and their future evolution; 2. describe the functionality and performance of 56K modems, xDSL technology for broadband Internet access, 3. explain the functionality and performance characteristics of xDSL and cable modem technology for broadband Internet access, 4. describe characteristics of fibre technology including network link design guide lines (such as power and rise time budget criteria); and 5. demonstrate appropriate practical skills in terms of typical Internet applications and their requirements.

Additional Information: n/a

ECTE994 Wireless and Mobile Communication Systems 6 cp

Pre-requisites: n/a
Co-requisites: ECTE991

Restrictions: For students not enrolled in the MIT, approval from the MIT Course Co-ordinator is required for enrolment in this subject.

Exclusions: n/a

Assessment: See Subject Information Sheet those presented here are only a guide. Final examination Individual and group assignments (involving theoretical and practical/laboratory projects) Oral presentation

Subject Description: The aim of this subject is to provide a detailed overview of wireless and mobile communication systems. The following topics will be covered: mobile radio channel characterisation, channel access techniques, basic spread-spectrum techniques, principles of code division multiple access (CDMA), digital mobile networks (including, GSM and third generation mobile networks). As a special case study, this subject will cover in detail the IEEE 802.11 wireless data network standard and its effective use in a campus environment for Internet access.

Subject Objectives: Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. describe the transmission characteristics associated with wireless channels, 2. explain the trade-offs and select the most appropriate channel access technique given a specific wireless application, 3. explain the principles of spread-spectrum and CDMA wireless communication systems, 4. describe the functional operation of mobile networks and the evolution towards third generation systems, 5. demonstrate appropriate practical skills associated with the IEEE 802.11 standard in terms of its implementation and deployment.

Additional Information: n/a

ECTE995 Content Servers and Caching Technologies 6 cp

Pre-requisites: n/a
Co-requisites: ECTE991

Restrictions: For students not enrolled in the MIT, approval from the MIT Course Co-ordinator is required for enrolment in this subject.

Exclusions: n/a

Assessment: See Subject Information Sheet those presented here are only a guide. Final examination Individual and group assignments (involving theoretical and practical/laboratory projects) Oral presentation

Subject Description: The aim of this subject is to provide a detailed overview of content servers and cache technology. The following topics will be covered: content server technology (including the different classes RACF systems) and their comparative performance in terms of functionality, cost and reliability; analyse selection criteria for content servers given a functional specification; caching technology, analyse best practice cache dimensioning and selection guidelines.

Subject Objectives: Students who successfully complete this subject will acquire the following competencies and abilities. In particular, students will be able to: 1. explain the functionality and performance of available content server technology, 2. describe and understand the various issues and trade-offs associated with content server technologies, 3. explain the functionality and performance of caching technology, 4. describe and understand the various issues and trade-offs associated with caching technologies; and, 5. demonstrate appropriate practical skills by selecting the most appropriate content server class for a given application as well as selecting the most suitable level of caching for a specified campus-wide Internet network.

Additional Information: n/a

ECTE996 Multimedia Communications 6 cp

Pre-requisites: n/a
Co-requisites: ECTE991

Restrictions: For students not enrolled in the MIT, approval from the MIT Course Co-ordinator is required for enrolment in this subject.

Exclusions: n/a

Assessment: See Subject Information Sheet those presented here are only a guide. Final examination Individual and group assignments (involving theoretical and practical/laboratory projects) Oral presentation

Subject Description: The aim of this subject is to provide a detailed overview of multimedia communication systems. The following topics will be covered: image and video coding, motion picture expert group (MPEG) and JPEG standards and their functionality, speech and audio coding, speech and audio coding standards for internet applications (Internet telephony), universal multimedia access (UMA) and MPEG 7.

Subject Objectives: Students who successfully complete this subject will acquire the following competencies and abilities. In particular,
students will be able to: 1. explain the concepts of image and video
coding including a description of the various approaches and their
relative performance, 2. describe the MPEG family of standards and
their interrelationships as well as JPEG, 3. explain the concepts of
speech and audio coding including a description of the various
approaches and their relative performance, 4. describe speech and audio
coding standards with specific application for internet use, and 5.
demonstrate appropriate practical skills by using real-time algorithms
and evaluating their performance.

Additional Information: n/a
Text books: n/a

ECTE997  Web Technology and Applications  6 cp

Pre-requisites: n/a
Co-requisites: ECTE991
Restrictions: For students not enrolled in the MIT, approval from the
MIT Course Co-ordinator is required for enrolment in this subject.
Exclusions: n/a
Assessment: See Subject Information Sheet those presented here are
only a guide. Final examination Individual and group assignments
(involving theoretical and practical/laboratory projects) Oral
presentation

Subject Description: The aim of this subject is to provide a detailed
overview of web technologies and applications. The following topics will
be covered: real-time streaming technologies, embedded Internet
devices, web-based intelligent agent technology, web-application case
studies (such as distance and flexible delivery of multimedia education,
meta catalogue services etc).

Subject Objectives: Students who successfully complete this subject
will acquire the following competencies and abilities. In particular,
students will be able to: 1. explain the functionality and use a variety of
real-time streaming technologies, 2. describe the concept of embedded
Internet devices and their application, 3. explain web-based intelligent
agent technology and their application, and 4. demonstrate appropriate
practical skills by evaluating typical Internet applications and their
practical requirements. This will be based on project work.

Additional Information: n/a
Text books: n/a
CSCI925  Topics in Software Engineering  6 cp
Pre-requisites: n/a
Co-requisites: Nil
Restrictions: n/a
Exclusions: IACT425
Assessment: Assignments 100%
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.
Subject Objectives: At the completion of this subject students will be able to: i) describe contemporary software engineering issues, methods, and practices; ii) report on pertinent case studies of software engineering project failures and successes; iii) select appropriate tools and techniques for software engineering problems; iv) evaluate relevant software engineering constraints, such as risk, cost, time, safety, for a given software engineering project.
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Intake B 3hrs Sydney Flexible
Autumn 2 hrs/wk Wollongong On Campus

CSCI941  Advanced Topics in Computer Science A  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

CSCI942  Advanced Topics in Computer Science B  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

CSCI943  Advanced Topics in Computer Science C  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

CSCI944  Perception and Planning  6 cp
Pre-requisites: nil
Co-requisites: nil
Restrictions: n/a
Exclusions: n/a
Assessment: Assignments 100%
Subject Description: This subject explores ways in which a robot can combine data from a variety of sensors to create or update a model of its environment, and then use this model to infer the consequences of proposed actions. The subject will cover the use of internal sensors, such as those measuring odometry and location, and external sensors including those for touch, vision, and range finding.
Subject Objectives: At the completion of this subject students will be able to: i) describe the sensors used for navigation of a mobile robot; ii) understand the process of perception for robot sensing and navigation; iii) design a software architecture for perception using behavioural, fuzzy logic and learning technique; iv) select appropriate data structure and algorithms for path planning.
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

CSCI945  Parallel Architectures and Algorithms  6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject presents different approaches to the construction of parallel algorithms and computer architectures. Both theoretical and practical aspects are covered, emphasis is placed on identifying the suitability of the approaches for specific applications.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a
CSCI946 Multimedia Studies 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Assignments 40% Exam 60%

Subject Description: This subject studies the algorithms, standards and programming of computer software for the production of a multimedia presentation. Multimedia systems combine images, graphics, sound and text to communicate information. Each of these media has its own standards and file formats. Each can be programmed using off-the-shelf tools or with programming languages, including the Java Media Interface and Macromedia Lingo. The development of software for these applications requires an understanding of both the media and the algorithms.

Subject Objectives: At the completion of this subject students will be able to: i) characterize parallel computers in terms of granularity, coupling, Flynn’s Models, topology and interconnection network; ii) understand the difference between shared memory and distributed memory systems; iii) implement both shared and mind parallel algorithms in C/c++; iv) implement parallel programs in both PVM and threads; v) evaluate parallel algorithms in terms of both computational and communication efficiency; vi) apply divide-and-conquer and master-slave techniques to appropriate parallel applications.

Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn 2 hrs/wk Wollongong On Campus

CSCI957 Advanced Topics in Database Management 6 cp

Pre-requisites: nil
Co-requisites: nil
Restrictions: n/a
Exclusions: n/a
Assessment: Implementation project (20%) mini research project (30%) final examination (50%)

Subject Description: This subject covers two advanced topics from modern database management systems: object-oriented databases and transaction management in database systems. The topics include the details such as design and implementation of object-oriented database systems, hybrid transaction management, optimistic transaction management, nested transactions, management of long transactions, and management of transaction in distributed systems.

Subject Objectives: At the completion of this subject students will be able to: i) design and implement object-oriented and object-relational database systems; ii) implement both shared and mind parallel algorithms in C/c++; iii) implement both shared and mind parallel algorithms in C/c++; iv) implement parallel programs in both PVM and threads; v) evaluate parallel algorithms in terms of both computational and communication efficiency; vi) apply divide-and-conquer and master-slave techniques to appropriate parallel applications.

Additional Information: n/a
Text books: B. Eaglestone, M. Ridley,
Session contact campus delivery hours method
Spring 3 hrs/wk Wollongong On Campus

CSCI963 Advanced Computer Graphics 6 cp

Pre-requisites: nil
Co-requisites: nil
Restrictions: n/a
Exclusions: n/a
Assessment: Assignment 60% Examination 40% (form of assessment to be confirmed with class)

Subject Description: In this subject students will learn how to use graphics techniques such as ray tracing and radiosity to produce highly realistic images with features such as shadows, reflection, refraction, texturing, penumbras and motion blur. The rendering algorithms and their underlying mathematics are covered with a practical component being the implementation of a ray tracer. Applications including scientific visualisation are also covered.

Subject Objectives: At the completion of this subject, students will be able to: (i) describe and implement the algorithms used to produce ray-traced images; (ii) discuss the underlying mathematical models; (iii) discuss the advantages and disadvantages of several visualisation techniques;

Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

CSCI964 Neural Computing 6 cp

Pre-requisites: nil
Co-requisites: nil
Restrictions: n/a
Exclusions: n/a
Assessment: Exam 60% Assignment 40%

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. These approaches will be compared and contrasted with heuristic, rule-based and machine learning methods, such as decision trees and case-based reasoning. Several application areas will be discussed, primarily pattern recognition and/or classification.

Subject Objectives: At the completion of this subject students will be able to: i) explain the architecture and learning algorithms of the most commonly encountered neural network models; ii) understand the strengths and limitations of artificial neural networks (ANNs); iii) be able to apply ANNs to typical pattern recognition and/or classification problems; iv) understand the need for preprocessing the available neural data.

Additional Information: n/a
Text books: Neuralware Software
Session contact campus delivery hours method
Spring 2 hrs/wk Wollongong On Campus

CSCI965 Design and Analysis of Algorithms 6 cp

Pre-requisites: nil
Co-requisites: nil
Restrictions: n/a
Exclusions: n/a
Assessment: 50% assessment 50% exam

Subject Description: The objective of this subject is to develop the knowledge, skills and techniques for designing and analysing algorithms. Topics to be studied include: review of standard algorithm designs including divide and conquer, the greedy method, etc; complexity analysis and comparison of algorithms, number theoretical algorithms

Subject Objectives: At the completion of this subject students will: i) use some basic mathematics; ii) be able to compare algorithms for speed and storage requirements; iii) be able to give quantitative assessment of algorithms; iv) be able to choose the appropriate algorithm for a task; v) be able to quantify that an algorithm cannot be used with given resources.

Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

CSCI966 Coding for Secure Communication 6 cp

Pre-requisites: nil
Co-requisites: nil
Restrictions: n/a
Exclusions: n/a
Assessment: Assignment 50% Exam 50%

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.

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Subject Descriptions

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.

**Subject Objectives:** At the completion of this subject students will be able to: i) understand the problems and models in information protection; ii) use a range of coding methods and strategies for providing protection and iii) evaluate various strategies for protection of data and suggest the best solution for a particular system.

**Additional Information:** n/a

**Text books:** n/a

**Session**  
contact campus delivery  
hours method  
Autumn 2 hrs/wk Wollongong On Campus

**CSCI967 Complexity Theory** 6 cp

**Pre-requisites:** nil

**Co-requisites:** nil

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Assignment 50% Exam 50%

**Subject Description:** The subject introduces basic concepts of complexity theory. Topics include NP-completeness and NP-hardness, Cook's theorem and its implications concepts of indistinguishability and pseudorandomness, interactive proof systems and zero-knowledge protocols.

**Subject Objectives:** At the completion of this subject students will be able to: i) classify decision problems according to their computational difficulty; ii) understand different types of indistinguishability and their relation to pseudorandomness; iii) use interactive proof systems for identification and knowledge proving.

**Additional Information:** n/a

**Text books:** n/a

**Session**  
contact campus delivery  
hours method  
n/a

**CSCI968 Network Security** 6 cp

**Pre-requisites:** nil

**Co-requisites:** nil

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** Assignment 50% Exam 50%

**Subject Description:** This subject provides a survey of network security technologies and explores them in practice. This includes but not limited to, network-based threats, security failure in cryptographic and network protocols, authentication servers, certificates and public-key infrastructure, security provisions in communication protocols and standards, electronic mail security, firewalls and intrusion detection systems.

**Subject Objectives:** At the completion of this subject students will be able to: i) understand network vulnerabilities and network-based attacks ii) apply a range network security technologies such as firewalls and intrusion detection systems for securing networks iii) use appropriate security standards and network security tools to enhance security of a distributed system iv) evaluate, compare and recommend network security applications and systems.

**Additional Information:** n/a

**Text books:** n/a

**Session**  
contact campus delivery  
hours method  
n/a

**CSCI971 Computer Security** 6 cp

**Pre-requisites:** nil

**Co-requisites:** nil

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** 50% assessment 50% exam

**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.

**Subject Objectives:** At the completion of this subject students will be able to: i) understand and use modern cryptographic techniques; ii) access appropriate technique to be used in specific conditions; iii) undertake rudimentary cryptanalysis of a cryptalgorithm or hash algorithm; iv) understand what is required to get a certified security evaluation.

**Additional Information:** suggested co-req is INFO912

**Text books:** n/a

**Session**  
contact campus delivery  
hours method  
Spring 2 hrs/wk Wollongong On Campus

**CSCI974 Systems Analysis** 6 cp

**Pre-requisites:** n/a

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** This subject concentrates on the analysis and design stages of the software implementation process. It provides students with an understanding of the engineering issues related to the initial implementation of a specified system and to the problems of long term maintenance and evolution. Dataflow, entity-relationship, object models and other design approaches are reviewed. Case studies include projects in the real time area.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

**Session**  
contact campus delivery  
hours method  
n/a

**CSCI981 Preliminary Topics in Computer Science B** 6 cp

**Pre-requisites:** nil

**Co-requisites:** nil

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a

**Subject Description:** A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Science.

**Subject Objectives:** n/a

**Additional Information:** n/a

**Text books:** n/a

**Session**  
contact campus delivery  
hours method  
n/a

**CSCI982 Preliminary Topics in Computer Science C** 6 cp

**Pre-requisites:** nil

**Co-requisites:** nil

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** n/a
Faculty of Informatics

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
6 cp
- Pre-requisites: nil
- Co-requisites: nil
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a

Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Science.

CSCI991 Project
12 cp
- Pre-requisites: nil
- Co-requisites: nil
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a

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.

CSCI992 Minor Thesis
24 cp
- Pre-requisites: nil
- Co-requisites: nil
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a

Subject Description: PhD candidates are enrolled in this subject. The PhD is an internationally recognised qualification for postgraduate research of the highest standard. The PhD is a purely research degree that has only one component, the thesis, which should make an original research contribution to the chosen field of study.

CSCI993 Thesis
48 cp
- Pre-requisites: nil
- Co-requisites: nil
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a

Subject Description: PhD candidates are enrolled in this subject. The PhD is an internationally recognised qualification for postgraduate research of the highest standard. The PhD is a purely research degree that has only one component, the thesis, which should make an original research contribution to the chosen field of study.

CSCI994 Project Part 1
6 cp
- Pre-requisites: CSCI994
- Co-requisites: nil
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a

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.

CSCI995 Project Part 2
6 cp
- Pre-requisites: CSCI994
- Co-requisites: nil
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a

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.

CRP 999 Thesis
48 cp
- Pre-requisites: CSCI101 or NSW HSC 3 unit computing studies or equivalent
- Co-requisites: nil
- Restrictions: n/a
- Exclusions: n/a
- Assessment: n/a
Subject Description: The interdisciplinrary foundations of telecommunications policy are assessed. Subject Objectives: 1. understanding of the policy issues relating to the emergence of political, economic and technological change in international telecommunications. 2. critical assessment of new technologies of importance to doing on-line business; 3. comparison of vertical versus horizontal approaches to information integration; 4. effectiveness of communications policies in promoting economic 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; implications of broad-band networks for traffic integration. Restrictions: n/a Co-requisites: IACT904

IACT906 Business On-Line 6 cp

Subject Description: This subject aims to provide students with an understanding of on-line 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 on-line business, including: business to business, business to consumer, internet commerce, EDI, standards, regulation and policy; principles and practices of on-line business; business strategy for on-line business; and, the development of effective national policies to promote industrial innovation. Subject Objectives: n/a

IACT916 Organisational Issues in Information Technology 6 cp

Subject Description: 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; implications of broad-band networks for traffic integration.

Subject Objectives: n/a

Text books:

IACT904 International Telecommunications Policy Issues 6 cp

Subject Description: IACT 904 provides students with an understanding of the policy issues relating to the emergence of political, economic and technological change in international telecommunications. The interdisciplinary foundations of telecommunications policy are examined. Issues in the development of telecommunications policy in Australia and overseas are reviewed as well as the regulatory frameworks adopted by different countries (eg. Australia and the United States) and regions (eg. European Union and South East Asia). Subject Objectives: n/a

Text books: n/a

IACT902 Applied Project Management 6 cp

Subject Description: This subject deals with the efficient management of a medium size project to ensure that a project meets deadlines and is within its budget. It covers the process of planning, directing and controlling the development of a medium size project. Topics covered will include project management tools, software and techniques; expectations management matrices; and use of people management (the subtle art of delegation and accountability). Students will test the principles on the plan, design and implementation of a medium size project.

Subject Description: This subject provides students with an understanding of broad-band networks for traffic integration. Subject Objectives: 1. demonstrate a thorough grounding in on-line business principles and practices; 2. identify stakeholders' capabilities and limitations in the strategic convergence of technology in business; 3. critically assess new technologies of importance to doing on-line business; and 4. explain the rapid changes taking place in the global business environment.

Subject Objectives: n/a

Text books: n/a

IACT905 Information Technology and Innovation 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: IACT 905 provides students with an understanding of the various political, economic, social and technical factors surrounding information technology and the innovation process. 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.

Session contact hours campus delivery method

IACT906 Business On-Line 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Examination 40%, Major Report 25%, Seminar 15%, Essay 20 %

Subject Description: This subject aims to provide students with an understanding of on-line 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 on-line business, including: business to business, business to consumer, internet commerce, EDI, standards, regulation and policy; principles and practices of on-line business; business strategy for on-line business; and, the development of effective national policies to promote industrial innovation.

Subject Objectives: n/a

Text books: n/a

IACT905 Information Technology and Innovation 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: IACT 905 provides students with an understanding of the various political, economic, social and technical factors surrounding information technology and the innovation process. 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.

Session contact hours campus delivery method

IACT906 Business On-Line 6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Examination 40%, Major Report 25%, Seminar 15%, Essay 20 %

Subject Description: This subject aims to provide students with an understanding of on-line 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 on-line business, including: business to business, business to consumer, internet commerce, EDI, standards, regulation and policy; principles and practices of on-line business; business strategy for on-line business; and, the development of effective national policies to promote industrial innovation.

Subject Objectives: n/a

Text books: n/a
libraries; and the potential of the Internet and the world wide web in information industry as mass media conglomerates have entered the

Assessment:

Exclusions: n/a

Restrictions: n/a

Pre-requisites: n/a

Co-requisites: n/a

IACT917 Information Management 6 cp

Subject Description: This subject focuses on the importance of information as a resource, on which the knowledge base of successful organisations is dependent. While the main focus of the subject is information management within the organisation, a broader context is important. National and international issues relating to information access will be addressed. These include standards relating to electronic storage and retrieval of electronic documents (digital archiving); legal protection for information as an economic good (for example as patents, copyright and other forms of intellectual property); and social and ethical issues (eg privacy and security) relating to information management.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Autumn n/a Wollongong On Campus

IACT918 Corporate Network Management 6 cp

Subject Description: The subject investigates the documentation and management of telecommunications networks. Topics to be covered include 1. Documenting the Network: requirements capture and specification, functional specification, design specification, documenting the network configuration; 2. Managing the Network: influences on the network, management architectures and standards, performance management, fault management, disaster management, managing changes in a network, cost minimisation management; 3. Corporate and Regulatory Requirements: management teams, operations and support, standards and protocols.

Subject Objectives: A student who successfully completes this subject should be able to: 1. Explore the uses of telecommunications by businesses; 2. Understand the current status and future directions of telecommunications regulatory environment; 3. Discuss the strategic management issues and the options created by emerging technologies; 4. Develop documentation to support organisational requirements for a telecommunications network

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Spring n/a Wollongong On Campus

IACT919 Online Information Services 6 cp

Subject Description: This subject examines the emergence of electronic information supermarkets and the changes within the online information industry as mass media conglomerates have entered the field. Other aspects covered include: the role of government in online services development; the future of public information sources such as libraries; and the potential of the Internet and the world wide web in online information delivery. Some practical experience in the use of electronic information services is provided.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Intake C 3hrs Sydney Flexible
Spring n/a Wollongong On Campus

IACT922 Case Studies in Information Technology Applications 6 cp

Subject Description: IACT922 examines leading edge technological developments and the issues arising from the innovative uses of such technology. This subject covers innovative and new applications of information technology to create services and systems, eg electronic banking, video conferencing, multimedia, EDI and CD-ROM. In order to provide a thorough background and understanding of an application, normally only one case will be studied in the subject in any one semester. Cases that may be covered include, multimedia, EDI and EFTPOS.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
Spring n/a Wollongong On Campus

IACT924 Corporate Network Design & Implementation 6 cp

Subject Description: The subject investigates the design and implementation of a telecommunications network plan. Topics to be covered include (1) The Need for Planning and the Planning Process: planning teams, strategic planning, the network plan, security planning and implementation planning. (2) The Design Process: design teams, translating the plan into design criteria, requirements capture and specification, design requirements and criteria, choosing topographies and architectures, evaluating plans (3) The Implementation Process: implementation teams, validating implementation plans, managing people and technology, managing the implementation process.

Subject Objectives: A student who successfully completes this subject should be able to: 1. Explain the principles of telecommunications network traffic flow control, forecasting, dimensioning and security; 2. Debate the current status and future directions of telecommunications networks as a complex interrelated set of operations; 3. Evaluate the critical forecasting, long range planning issues and appropriate project management techniques; 4. Critically analyse the telecommunications network plan for a large organisation. 5. Identify design criteria and implementation choices for a large telecommunications network. 6. Critically analyse the implementation plan for a telecommunications network for a large organisation.

Additional Information: n/a

Text books: n/a

Session contact campus delivery hours method
n/a
IACT926 Information Society, Knowledge Work and Information Technology 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Examination 30% Seminar presentation 10% Seminar paper 10% Essay 25% Project 25%

Subject Description: The subject examines the concept of 'information society' and its measurement. It also examines the changing structure of the workforce with an investigation of the place and role of knowledge workers in the labour force being a core element. An examination of the trends affecting knowledge workers in Australia, and internationally, with respect to increasing credentialism, life-long learning and issues relating to their education and training will be undertaken. The introduction and application of IT affects each of these areas is therefore another critical component of study.

Subject Objectives: A student who successfully completes this subject should be able to: (i) explain the role of IT in the trends relating to the composition of the Australian workforce; (ii) isolate the major issues associated with the (use and impact) of IT and compile suggestions about how commerce and industry can respond to the need for knowledge and skill development; (iii) report on the major trends in education/training in Australia (and to a lesser extent overseas) as they relate to skill and knowledge development and use of IT; (iv) list and explain a range of techniques and technologies used in developing knowledge and skills including those applicable to distance education; (v) analyse national (and/or state) plans for the continuing development of skills and knowledge; (vi) report on national (and/or state) plans for the continuing development of skills and knowledge; (vii) critically analyse the role of knowledge workers

Additional Information: n/a
Text books: n/a

IACT927 Research Report Part 1 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

IACT928 Research Report Part 2 6 cp

Pre-requisites: iact927
Co-requisites: n/a
Restrictions: only available to students who have completed IACT927 in the previous year
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a
Additional Information: n/a

Text books: n/a

IACT930 Special Topics in Information and Communication Technology 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: This subject aims to provide the student with an understanding of topics at the forefront of the discipline. Topics will be selected from areas of interest of staff members or visiting staff members to the Department. 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.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

IACT931 Special Topics in Information and Communication Technology A 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: IACT403, CSCI324
Assessment: n/a

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.

Subject Objectives: n/a
Additional Information: In YR 2001 the topic covered is Human Computer Interface see IACT403 for description
Text books: n/a

IACT932 Special Topics in Information and Communication Technology B 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Topics will be selected from areas of interest of staff members or visiting staff members to the Department. 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.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
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Additional Information:
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- Session: n/a
- Contact: n/a
- Campus: n/a
- Delivery Method: n/a

ACT970 Major Thesis

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Phd candidates are enrolled in this subject. The PhD is an internationally recognised qualification for postgraduate research of the highest standard. The PhD is a purely research degree that has only one component, the thesis, which should make an original research contribution to the chosen field of study.

Subject Objectives: n/a

Additional Information: This subject will be externally accessed.

Text books: n/a

ITCS901 Introduction to Computer Programming

Pre-requisites: ITCS901
Co-requisites: n/a
Restrictions: Only available to MCompStud candidates
Exclusions: n/a
Assessment: Exam - 70% Assignments - 30%

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, simple I/O. Explores functional decomposition as a design technique, and the implementation of functions. Introduces simple user-defined data types and aggregates.

Subject Objectives: The aim of this subject is to provide a foundation for subsequent Computer Science studies particularly by developing students' programming skills. Students will be able to: (i) structure solutions to problems for execution by a computer; (ii) use a microcomputer efficiently and effectively in developing total solutions; (iii) develop and express their solutions using "good programming style"; (iv) express their solutions in well structured programs written in ANSI C++.

Additional Information: n/a

Text books: n/a

ITCS902 Data Structures

Pre-requisites: ITCS901
Co-requisites: n/a
Restrictions: Only available to MCompStud candidates
Exclusions: n/a
Assessment: Exam - 60% Assignment - 40%

Subject Description: This subject develops skills in object-based program design and implementation. Covers characterisation of abstract data types and their realisation as classes. Explores standard data types including lists, binary trees, queues. Investigates implementation and efficiency of standard searching and sorting algorithms. Provides experience in the use of dynamic data structures.

Subject Objectives: On completion of this subject you should be able to: (i) display an understanding of structured data types and their implementation in C++, (ii) create abstract data types which have general applicability to a range of generic problems and implement them...
efficiently using C++; (iii) use dynamic memory allocation to create and maintain dynamic data structures; (iv) analyse and compare the efficiency of competing algorithms using a range of sorting algorithms as the vehicle; (v) implement solutions to problems involving dynamic data structures and abstract data types in the programming language C++; (vi) display an understanding of some object-based programming concepts by using appropriate C++ constructs.

Additional Information: n/a

Text books: n/a

**ITCS903 C Family & UNIX** 6 cp

Pre-requisites: ITCS902 Data Structures

Co-requisites: n/a

Restrictions: Only available to MCompStud candidates

Exclusions: n/a

Assessment: Exam - 60% Assignment - 40%

Subject Description: In ITCS903 the algorithms and data structures from ITCS901 & ITCS902 will be applied to solving text processing problems. Solutions to these problems will be designed using object based design and implemented in C++ in a Unix environment. Emphasis will be placed on achieving correct, robust and efficient programs.

Subject Objectives: On successfully completing this subject the student should be able to: (i) select and code the appropriate algorithms to solve text processing problems, (ii) understand the concepts of scanning, parsing and interpreting textual input, (iii) use object-based techniques in the design of programs, (iv) write correct, robust and efficient programs in C++, (v) read C programs, and (vi) develop software in a Unix environment.

Additional Information: n/a

Text books: n/a

**ITCS904 Fundamentals of Database Systems 6 cp**

Pre-requisites: ITCS902 - Introduction to Computer Science B

Co-requisites: n/a

Restrictions: Only available to MCompStud candidates

Exclusions: n/a

Assessment: Exam - 60% Assignment - 40%

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; Normalization of relational databases; and Transaction management and recovery in database systems.

Subject Objectives: A student who successfully completes this subject should be able to: (i) explain the principles of relational database model, (ii) design and implement a simple relational database, (iii) use a number of software tools to implement database applications, (iv) program a relational database server, (v) normalize a relational database, (vi) explain the principles of distributed databases and design a distributed database, (vii) explain the principles of transaction management and database recovery mechanisms.

Additional Information: n/a

Text books: n/a

**ITCS906 Introduction to Computer Systems 6 cp**

Pre-requisites: ITCS901 - Fundamentals of Computer Programming

Co-requisites: nil

Restrictions: Only available to MCompStud candidates

Exclusions: n/a

Assessment: Exam - 60% Assignment - 40%

Subject Description: This subject focuses on the internal operation of the computer and provides an understanding of how the computer, at a low level, carries out the task of processing data. It deals with the machine language as determined by the architecture, addressing techniques, assembly languages, assembler construction, linkers, loaders and related operating system software and provides an introduction to the role of the operating system itself.

Subject Objectives: On successfully completing this subject students should be able to: (i) work with numbers in various and mixed bases; (ii) express arbitrarily complex logical statements in conjunctive or disjunctive normal form; (iii) express logical statements in the form of circuits using cascaded gates; (iv) decompose complex solutions in as fine grained detailed manner as possible, within the constraints of a machine instruction set; (v) extract the essence of what an arbitrary sequence of machine instructions appears to perform.

Additional Information: n/a

Text books: n/a

**ITCS907 Java Programming & the Internet 6 cp**

Pre-requisites: ITCS902 - Fundamentals of Computer Science B

Co-requisites: nil

Restrictions: n/a

Exclusions: Only available to MCompStud candidates

Assessment: Assignments - 50% Final examination - 50%

Subject Description: This subject provides 1. an introduction to the Java language and some of its standard class libraries 2. experience with
object oriented design and implementation techniques to an understanding of the Internet and its importance to modern software systems. Topics will include: Java language, subset of Java class libraries (windowing, graphics, networking, threads), object oriented design and implementation, Internet issues, basics of TCP/IP protocols, Web technologies, HTML and Javascript, CGI programming, introduction to security issues.

Subject Objectives: A student who successfully completes this subject should be able to: (i) relate Java to other Web technologies including CGI, Javascript and other browser technologies (ii) build Java applets and stand alone applications that exploit the graphics libraries, (iii) design object oriented (OO) programs using a simplified version of a standard OO methodology, (iv) implement programs exploiting the threads and networking capabilities of Java, (v) explain the security problems in a networked environment and detail Java’s security mechanisms.

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Autumn 3hrs/wk Wollongong On Campus

ITCS908 Citizen.s Rights in the Information Society 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: only available to MCompStud candidates
Assessment: Exam - 40% Assignment - 60%

Subject Description: This subject will examine the information technology industry which encompasses: telecommunications; computing; broadcasting and publishing. It will analyse the encroachment of industry activities that use electronic media on: citizens’ rights in matters of data surveillance; freedom of access to information and ownership of intellectual property. The extent to which technical solutions to these problems can and cannot be provided will be discussed and alternative non-technical (eg administrative or regulatory) solutions will also be treated. An investigation of the current legal safeguards, their legislative histories and the need for new legislation will be covered.

Subject Objectives: Students who successfully completes this subject should be able to: (i) identify the privacy, legal and security issues related to the introduction of information and communication technologies; (ii) explain technical solutions to security and privacy problems arising from the introduction of technology; (iii) evaluate existing laws and regulations relating to privacy legal and security issues.

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Autumn 3 hrs/wk Wollongong On Campus

ITCS909 Fundamentals of Operating Systems 6 cp

Pre-requisites: ITCS906 Introduction to Computer Systems
Co-requisites: n/a
Restrictions: n/a
Exclusions: only available to MCompStud candidates
Assessment: Exam - 60% Assignment - 40%

Subject Description: The subject introduces main operating system concepts and explains the role of major operating system components. In particular, the subject overviews computer system structures, describes main process and storage management issues, and stresses the importance of protection and security.

Subject Objectives: A student who successfully completes this subject should be able to: (i) identify the major components of an operating system. (ii) define the terms used to describe operating system functions. (iii) explain the algorithms commonly used to implement these functions. (iv) compare the performance of commonly used algorithms, and (v) evaluate the suitability of an operating system for a task.

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
Autumn 5 hrs/wk Wollongong On Campus

ITCS911 Special Topic A 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: only available to MCompStud candidates
Assessment: Exam - 40% Assignment - 60%

Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Studies.

Subject Objectives: Objectives will be designed when the subject is offered.

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
n/a

ITCS912 Special Topic B 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: only available to MCompStud candidates
Exclusions: n/a
Assessment: Exam - 40% Assignment - 60%

Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Studies.

Subject Objectives: Objectives will be designed when the subject is offered.

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
n/a

ITCS913 Special Topic C 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: only available to MCompStud candidates
Exclusions: n/a
Assessment: Exam - 40% Assignment - 60%

Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Studies.

Subject Objectives: Objectives will be designed when the subject is offered.

Additional Information: n/a

Text books: n/a

Session contact campus delivery method
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ITCS915 Introduction to Information Technology 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: only available to MCompStud candidates
Exclusions: n/a
Assessment: Laboratory Assignments 50%, Exam 50%

Subject Description: This subject introduces the concepts of computer system organisation including the main hardware and software components. Covers the historical development of software and hardware technologies. Introduction to problem solving using a visual programming tool. Provides experience with integrated packages.
Subject Descriptions

including use of simple databases. Students are also taught how to use
the Internet and World Wide Web.

Subject Objectives: On successfully completing this subject students
should be able to: (i) identify the main hardware and software
components of a computer system; (ii) manipulate data in an integrated
application; (iii) create a simple web page; (iv) solve a problem in a
procedural style, using a visual design and code generating tool

Additiona Information: n/a

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ITCS916 Fundamentals of Computer Science 6 cp

Pre-requisites: ITCS902
Co-requisites: n/a
Restrictions: n/a
Exclusions: only available to MCompStud candidates

Assessment: 1. 6 Assignments 40% 2. Final Examination 60%

Subject Description: The concepts of algorithms and computability
together with techniques for analysis of the efficiency and complexity of
algorithms are studied. Logical formalisms and their application in
computing environments and the use of logical reasoning in establishing
the correctness of implementations of algorithms are discussed. The
abstract models such as finite state machines, pushdown automata and
 Turing machines are treated.

Subject Objectives: Objectives On successfully completing this subject,
students should be able to: (i) use logical formalisms to describe
problems; (ii) use logical reasoning to find and analyse solutions; (iii)
assess algorithms with respect to their efficiency and complexity; (iv)
use logical reasoning to establish the correctness of implementations
of algorithms; (v) develop a number of formal models of computational
processes.

Additional Information: Students studying at the Wollongong
 Campus, or UnW, are eligible recipients of these prizes: The Pearson
Education Australia Prize (formerly known as Addison-Wesley Prize)
for First Year Bachelor of Computer Science Students. Eligibility: The
prize will be awarded to the candidate with the best average
performance in three 100 level CSCI subjects offered by SITACS. Value
of Prize: The value of the award will be text books to the value of $250.

Text books:
- A.V. Aho, J.D. Ullman, Foundations of Computer Science
  (C Edition), Computer Science Press, W.H. Freeman and Company,

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ITCS917 Development Methods & Tools 6 cp

Pre-requisites: ITCS902
Co-requisites: n/a
Restrictions: available only to MCompStud candidates
Exclusions: n/a

Assessment: 50% for a final examination. 50% for assignments

Subject Description: This subject develops the knowledge, experience,
and confidence needed to participate in a group project involving the
design and implementation of a system of significant size. Covers the
standard software life cycle, use of development tools. Reviews issues
related to quality of code. Provides experience with standard design
methodologies. Introduces estimation of program size and use of
program metrics.

Subject Objectives: A student who successfully completes this subject
should be able to: 1. Explain the processes involved in the typical
software lifecycle. 2. Design programs using standard design techniques
and development tools. 3. Plan the phased implementation of a
large program, including the provision of some preplanned test program
that will validate the implementation. 4. Use version management tools,
program build tools, and profiling tools in an effective manner.
5. Expose different software architectures in appropriate contexts, and
make use of simple standard design patterns so as to achieve greater
productivity. 6. Conduct reviews of code. 7. Write code that satisfies
quality standards.

Additional Information: n/a

Text books: There is no required textbook. Several specialized
references are used at different stages of the subject: these books will be
in the closed reserve section of the library. They range from Bronson &
Bollinger's book on how to use a Source Code Control System, through
Gamma et al's book on

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ITCS921 Database Design and Implementation 6 cp

Pre-requisites: ITCS904
Co-requisites: n/a
Restrictions: available only to MCompStud candidates
Exclusions: n/a

Assessment: 1. Assignments - 3*10% 2. Class tests - 4*5% 3. Final
examination - 50%

Subject Description: This subject investigates the process of relational
database design starting from conceptual database design, through
logical database design up to and including physical database design,
database tuning and administration. The topics will include conceptual
database design based on Object Modelling Technique, methodologies
for conceptual design, view integration, logical database design, database
normalization and de-normalization, physical database design,
generation of database applications, database tuning, design of
distributed database systems.

Subject Objectives: A student who successfully completes this subject
should be able to: (i) design a relational database using Object Modelling
Technique in a systematic manner, (ii) prove the correctness of the final
design using the formal techniques, (iii) carry out cost/benefit analysis
of the final design in the terms of physical database design techniques,
(iv) implement the design using commercially available database
application generators, (v) carry out performance evaluation tests and
evaluate their/his implementation against a range of criteria using the best
test results, (vi) carry out an internal organisation of a sample relational
database system, (vii) carry out the basic functions of database
administrator, (viii) design a distributed database system.

Additional Information: Enrolment in this subject is not
recommended unless you have a string background in this area. Seek
advice from the subject co-ordinator before commencing this subject.

Text books: Main textbook Blaha, M., Premerlani, W., Object-Oriented
Modeling and Design for Database Applications, , Prentice-Hall Inc.,
1998.

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ITCS922 Computer Security 6 cp

Pre-requisites: ITCS902
Co-requisites: n/a
Restrictions: n/a
Exclusions: available only to MCompStud candidates

Assessment: The exam contributes 70% to the final mark The
laboratory work contributes 30% to the final mark

Subject Description: This subject develops the knowledge and skills
necessary to identify the security problems that may occur in a
distributed computer environment, and then to devise means for
countering the threats. Covers: Identification: passwords, challenge-
response protocols Private Key Cryptography: classical ciphers, Feistel
cryptosystems Public Key Cryptography: RSA, Merkle-Hellman, El-
Gama, Elliptic-Curve cryptosystems Hashing Birthday paradox, serial
and parallel hashing, MD family, keyed hashing Digital Signatures:
generic, RSA, El-Gamal, blind, undeniable, fail-stop Key Establishment
Protocols: classical key transport, DH agreement, Kerberos, SPX, STS
protocol, BAN logic Access Control: MAC, DAC, RBAC,
implementations of access control, security kernel, Multics, UNIX,
capabilities/access control lists, Network Security: IPsec, viruses, web
security, copyright protection

Subject Objectives: A student who successfully completes this subject
should be able to: (i) identify the threats to computing resources in a
distributed computer environment, (ii) classify cryptographic algorithms
in terms of their cryptographic characteristics and services provided, (iii)
describe two generic key establishment protocols and explain how to
assess their performance, (iv) categorise different access control models
and their relations to access control policies, (v) explain how protection
of information is implemented in a distributed computer environment,
(vi) define what is the virus, worm and Trojan horse, (vii) identify which
security services can be implemented using IPsec protocols, (viii) describe
security aspects of Web technology and their significance for Electronic
Commerce

Additional Information: Enrolment in this subject is not
recommended unless you have a strong background in this area. Seek
advice from the subject co-ordinator before commencing this subject.

Text books: n/a

Session contact hours campus delivery method
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ITCS923  The Wired World  6 cp

Pre-requisites: ITCS905

Co-requisites: nil

Restrictions: only available to MCompStud candidates

Exclusions:

Assessment: Exam - 40% Assignment - 60%

Subject Description: This subject investigates the issues listed in the
objectives below within the context of world wide networking.
Emphasis will be placed on group work with students required to
participate in problem solving communications tasks. Web based
activities will be an essential component of the conduct of this subject.
Other activities may include: the setting up and conduct of a video-
nconference with students at another University, the running of a bulletin
board or Internet mailing list or the maintenance of a World Wide Web
site. Contributions to this subject have been made by several members
of staff within the School.

Subject Objectives: A student who successfully completes this subject
should be able to: (i) identify the technical, social and legal problems
related to the developments in world wide networking; (ii) debate legal
and social issues confronting the global networking community; (iii)
critically analyse current standards and policies in relation to world wide
networking; (iv) demonstrate a capacity to work as a team member; (v)
discuss the key technical and security related issues confronting network
managers; and (vi) evaluate use of global networks as an educational
medium.

Additional Information: n/a

Text books: n/a

Session contact hours campus delivery method
Spring  n/a  Wollongong  On Campus

ITCS932  Web Design  6 cp

Pre-requisites: nil

Co-requisites: nil

Restrictions: n/a

Exclusions: n/a

Assessment: Assignments 100%

Subject Description: Introduces students to the creation and
programming of web pages and to the design and management of web
sites. Programming topics include XHTML, SML, Javascript, Java
applets and image processing, and client server models. Creative topics
include user interface design, page layout, text, graphics and image
processing. Practical work involves creating web pages with professional
packages and applet programming in Java. Emphasis is placed on good
media design and efficient algorithms for applets.

Subject Objectives: 1. appreciation of the principles underlying good
web design for information presentation 2. understand the process of
creating web pages 3. able to work in a team comprising technical and
creative people on web development projects 4. write Java applets for
image and audio processing and animation 5. write multimedia web
pages using the Synchronised Multimedia Markup Language (SMIL) 6.
understand the client server model for efficient delivery of data over the
web

Additional Information: Assumed knowledge: Java programming

Text books: TBA

Session contact hours campus delivery method
Spring  n/a  Wollongong  On Campus

ITCS933  Software Engineering Requirements and
Specifications  6 cp

Pre-requisites: Nil

Co-requisites: Nil

Restrictions: n/a

Exclusions: n/a

Assessment: Assignments 50% Examination 50%

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 interfaces of
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.

Subject Objectives: On completion of this subject the student should
be able to: 1. describe various models of software development process;
requirements capture and analysis; 2. explain how software system
requirements are translated to appropriate software specifications
expressed in a range of different formalisms; 3. demonstrate an ability to
interpret a particular set of software requirements and translate into a
specification; 4. apply the knowledge and skills presented in this subject
to typical software development scenarios encountered in the software
industry.

Additional Information: n/a

Text books: TBA but may be one of the following: M. Jackson.
Kotonya and I. Sommerville. Requirements Engineering: Processes and

Session contact hours campus delivery method
n/a

ITCS934  Software Process Management  6 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Assignments 50% Examination 50%

Subject Description: Software development is a difficult and
challenging task. Apart from the most trivial of problems, the software
development process is generally a collaborative rather than an
individual effort. To manage the development of complex software
artifacts, various principles and practices of software engineering have
been formulated. Acquainting students with the principles and practices
of managing the software development process is the primary aim of
this subject.

Subject Objectives: On completion of this subject the student should
be able to 1. describe various models of software development process;
2. explain the principles and practices of software process management;
3. demonstrate proficiency in a selection of process management
techniques; 4. apply process management skills and knowledge to a
group software project

Additional Information: n/a

Text books: TBA but may be one of the following: I. Sommerville.

305

**ITCS935 Software Engineering Formal Methods**  
6 cp  

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  

**Assessment:** Assignments 50% Examination 50%  

**Subject Description:** This subject introduces students to formal methods for software specification. The role of formal methods in the software development process is explained, and it is illustrated with case studies of the industrial application of formal methods. The subject uses the Z notation as an example of a formal specification technique, and software tools for the manipulation of Z specifications are introduced. Case studies in the application of formal methods to safety-critical and real-time software systems are presented.  

**Subject Objectives:** On completion of this subject the student should be able to: 1. understand and use propositional and predicate calculus; 2. understand formal specifications written in the Z notation; 3. translate informal descriptions into formal specifications in the Z notation; 4. use software tools for the manipulation of formal specifications; 5. describe case studies of the applications of formal methods; 6. describe current industrial practice of formal methods in software development.  

**Additional Information:** n/a  


**Session**  
**contact**  
**campus**  
**delivery**  
**hours**  
**method**  

n/a  

**ITCS936 Enterprise Web Applications**  
6 cp  

**Pre-requisites:** nil  
**Co-requisites:** nil  
**Restrictions:** n/a  
**Exclusions:** n/a  

**Assessment:** Paper 3000 words Panel discussion based on paper  
Practical labs 12 weeks Lotus/Domino collaborative environments and development work and electronic collaboration assignment Practical assignment enterprise modelling assignment Final Examination  

**Subject Description:** This subject studies 21st century organizations, in particular transorganizational development (TD) for agile organizations. It examines transorganizational ontologies, such as KWKOKM [knowledge work, knowledge organization, knowledge management] and the extent to which web application systems and strategies support these ontologies. Topics covered will include:  
1. Business strategies for the 21st century, market trends; the web: driver/enabler of 21st century enterprise wide systems; transorganizational ontologies and approaches to TD, in particular the KWKOKM [knowledge work, knowledge organization, knowledge management] ontology. Knowledge based organizations, virtual enterprises, enterprise integration methodologies such as EDI [enterprise knowledge development] methodology.  
2. Review of employee approaches to knowledge management. service learning, team learning, quality learning and supporting applications such as ERP, CRM, Supply Chain Management. consideration of technical and organizational/social issues.  
4. Electronic document management and workflow systems, workgroup vs workflow systems, BPR and workflow 5. Intranets vs groupware, Intranets for business applications user and supplier opportunities, Knowledge Portals 6. Web Enterprise Data. Data Warehouses, Knowledge Warehouses, Data Mining, Web Mining and Farming, Component repositories how enterprise data is shared to and from the desktop, XML/EDI.  
7. Distributed Corporate Architectures for the Web. Distributed Object Technology, middleware, smart components, intelligent agents, intelligent internet systems tools and applications.  

**Additional Information:** n/a  

**Text books:** n/a  

**Session**  
**contact**  
**campus**  
**delivery**  
**hours**  
**method**  

n/a  

**ITCS937 Security, Risk Management and Control in Electronic Commerce**  
6 cp  

**Pre-requisites:** IACT306  
**Co-requisites:** nil  
**Restrictions:** n/a  
**Exclusions:** n/a  

**Assessment:** Tutorial Participation/Exercises/Discussion, Essay, Risk Assessment Project (Major Group Assignment), Seminar Presentation.  

**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.  

**Subject Objectives:** A student who successfully completes this subject will be able to: 1. demonstrate a thorough understanding of current security issues in e-commerce applications 2. demonstrate an in-depth understanding of the primary legal issues surrounding web-based e-commerce 3. critically assess the relative benefits of self-regulatory practices versus government regulation 4. understand the risk management paradigm 5. differentiate between control weakness and control risk.  

**Additional Information:** Assumed knowledge. Basic Knowledge of Electronic Commerce applications, issues, benefits etc gained from IACT4/906 Business On-Line  

**Text books:** TBA  

**Session**  
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**method**  

n/a  

**Spring**  
**n/a**  
**Wollongong**  
**On Campus**
### GHMD983 Statistics in Health Research 6 cp

**Pre-requisites:** 24 cp  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**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 emphasizing 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.

**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  

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### INFO911 Data Mining and Knowledge Discovery 6 cp

**Pre-requisites:** 36 cp  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**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.

**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  

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### INFO912 Mathematics for Cryptography 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** Final exam 85%, Assignments 15%  


**Subject Objectives:** After successful completion of this subject students should be able to: (i) apply a knowledge of elementary logic to the simplification and designing of electrical circuits; (ii) prove theorems various classical and nonclassical logics; (iii) apply knowledge of number theory and group theory to the implementation of some modern methods of cryptography; (iv) apply basic notions from combinatorics, game theory and linear programming to cryptography. All these objectives will be tested in the assignments as well as in the final exam.

**Additional Information:** The subject extends work given in MATH121 and MATH122 and is of particular value to students who wish to go on with work in cryptography and computer security. Assumed knowledge: suggested MATH121 or MATH122; suggested CSCI965/465 or CSCI966/466  
**Text books:** n/a  

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### MATH902 Solution to Differential Equations By One-Parameter Groups 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**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.

**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  

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### MATH912 Mathematics of Microwave Heating 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**Subject Description:** Electrostatics, Gauss' law, magnetic fields, induction, Maxwell's equations, the damped wave equation, the forced heat equation, solutions of microwave heating for constant conductivity, temperature dependent conductivity, hotspots.

**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  

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### MATH913 Fluid Mechanics and Wave Theory 6 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**Subject Description:** Hyperbolic partial differential equations, conservation laws, shallow water equations, dispersive waves, solution theory, gas dynamics, shock waves, flow past bodies, conformal mapping, aerofoil theory.

**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  

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Subject Descriptions

MATH914 Analytic Dynamics 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Lagrangian and Hamiltonian formulations, symmetry and conservation laws. Regular and chaotic motion. Strange attractors.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn 2 hrs/wk Wollongong On Campus

MATH918 Computational Fluid Mechanics 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Finite-difference and finite element methods applied to incompressible inviscid flow problems and incompressible viscous flow problems. Introduction to Boundary-element technique and its application to potential flows. The relationship between these numerical approaches will also be discussed.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn 2 hrs/wk Wollongong On Campus

MATH929 General Topology 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: This subject is a systematic discussion of topological spaces and associated concepts which are of fundamental importance in various areas of mathematics. The topics covered will include topologies, bases and sub bases for topologies, separation properties of topologies, product and quotient topologies, and connectedness and compactness. Depending upon students’ interests and backgrounds, excursions into the following or other areas are possible: topological groups, programming language semantics, elementary algebraic topology, dimension theory and cardinal invariants.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn 2 hrs/wk Wollongong On Campus

MATH931 Statistical Behaviour in Dynamical Systems 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Two different statistical phenomena in dynamical systems are considered; recurrence and averaging. In tossing an unbiased coin, recurrence is illustrated by eventually obtaining 'heads', while averaging is illustrated by obtaining approximately the same number of 'heads' and 'tails' over a large number of tosses. The ideas are discussed in the context of systems on an interval, probability and general ergodic theory. Applications will be discussed, and these may include number theory, information theory, mathematical economics, chaos and statistical mechanics.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring 2 hrs/wk Wollongong On Campus

MATH971 Advanced Topics in Applied Mathematics A 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Topics will be selected from the areas of interest of staff members or visiting staff members of the School. In 2000, the special topic will be Elasticity and Fracture Mechanics.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring 2 hrs/wk Wollongong On Campus

MATH972 Advanced Topics in Applied Mathematics B 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Topics will be selected from the areas of interest of staff members or visiting staff members of the School.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn 2 Wollongong On Campus

MATH980 Preliminary Topics in Mathematics A 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Mathematics.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn 2 Wollongong On Campus

MATH981 Preliminary Topics in Mathematics B 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Mathematics.
### MATH990 Project Part 2
- **Pre-requisites:** n/a
- **Co-requisites:** MATH1188
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session contact hours**
  - **Spring:** n/a
  - **Autumn:** n/a
- **Delivery Method:** Wollongong On Campus
- **Credit Points:** 6 cp

### MATH991 Project
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session contact hours**
  - **Annual:** n/a
- **Delivery Method:** Wollongong On Campus
- **Credit Points:** 12 cp

### MATH992 Minor Thesis
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session contact hours**
  - **Annual:** n/a
- **Delivery Method:** Wollongong On Campus
- **Credit Points:** 36 cp

### MATH993 Thesis
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session contact hours**
  - **Annual:** n/a
- **Delivery Method:** Wollongong On Campus
- **Credit Points:** 48 cp

### MATH994 Minor Thesis 24 cp
- **Pre-requisites:** n/a
- **Co-requisites:** MATH1188
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** n/a
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session contact hours**
  - **Annual:** n/a
- **Delivery Method:** Wollongong On Campus

### STAT901 Modern Inference 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **Subject Description:** Introduction to programming in S-Plus; bootstrap methods; Monte-Carlo methods; permutation tests; nonparametric regression; the sign, Kruskal-Wallis and Spearman tests and extensions of them; tset.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session contact hours**
  - **Autumn:** 2 hrs/wk
- **Delivery Method:** Wollongong On Campus

### STAT902 Advanced Data Analysis 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **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.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session contact hours**
  - **Autumn:** 2 hrs/wk
- **Delivery Method:** Wollongong On Campus

### STAT903 Survey Design and Analysis 6 cp
- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** n/a
- **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.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a
- **Session contact hours**
  - **Spring:** 2 hrs/wk
STAT904 Statistical Consulting 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
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.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
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STAT942 Design and Analysis For Quality Control 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Experimental design, Principles of design; Importance of randomisation; Randomised block designs; Factorial designs; Fractional factorials; Taguchi’s philosophy and how it relates to experimental design; Introduction to variance components; Fixed models as opposed to random (mixed) models; Estimation of variance components; Evolutionary processes.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
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STAT949 Statistical Thinking 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: The importance of variability, Why statistics?; Statistics and quality, Exploratory data analysis, Numerical and graphical summaries; Measures of location and spread; Elementary probability; The Binomial; Poisson and Normal Distributions; The role of the Central Limit Theorem in statistics; The nature and purpose of statistical inference; Point estimation and confidence intervals; Concepts of hypothesis testing; Simulation techniques; Sampling methods; Elementary control charts.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
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STAT990 Minor Project 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
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STAT991 Project 12 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
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<td>Annual</td>
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STAT992 Thesis 36 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact hours | campus | delivery method |
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</table>

STAT993 Major Thesis 48 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact hours | campus | delivery method |
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STAT994 Thesis 24 cp
Pre-requisites: MATH1188
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact hours | campus | delivery method |
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<tbody>
<tr>
<td>Annual</td>
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<td>On Campus</td>
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</table>
The Faculty of Law offers the following postgraduate diplomas and degrees:

- Doctor of Philosophy
- Honours Master of Arts by Research
- Honours Master of Commerce by Research
- Honours Master of Court Management by Research
- Honours Master of Laws by Research
- Honours Master of Laws (Natural Resources Law) by Research
- Honours Master of Laws (Court Management) by Research
- Honours Master of Natural Resources Law by Research
- Master of Court Management
- Master of Laws (Court Management)
- Master of Laws (International and Comparative)
- Master of Laws (Natural Resources Law) by Coursework
- Master of Natural Resources Law by Coursework
- Graduate Diploma in Law
- Graduate Diploma in Legal Practice
- Graduate Diploma in Natural Resources Law

**Current Research Areas:**

Supervision in research in the following areas is likely to be available to candidates undertaking research degrees:

- Administrative law
- Anti-discrimination law
- Biotechnology and the law
- Commercial and finance law
- Company law
- Comparative law
- Conflict of laws
- Constitutional law
- Consumer protection law
- Contract law
- Court policy and administration
- Criminal law
- Cross-cultural legal issues
- Dispute Resolution
- Environmental and planning law
- Family law and welfare policy
- Feminism and law
- Indigenous people and law
- Industrial relations law
- Information technology law
- Insurance law
- Intellectual property law
- International law
- Jurisprudence
- Law and literature
- Law relating to evidence, remedies and court procedure
- Law relating to the sea
- Natural resources law
- Property law
- Refugee law
- Regulation of economic activity
- Sociology and law
- Taxation law and practice
- Torts
- Trusts and equity

**Doctor of Philosophy**

**Honours Master of Arts by Research**

These courses are open to applicants with a degree with Honours Class II or equivalent. Applicants who do not possess such a degree may be permitted to demonstrate capacity for research by first completing a Special Research Paper in Law and should contact the Faculty of Law’s Postgraduate Coordinator. The requirement of the degree is the satisfactory completion of a thesis to the value of 48 credit points (LAW998 Major Thesis) in accordance with Attachment C to the Course Rules.
Honours Master of Commerce by Research

Refer to the Faculty of Commerce section for details of this degree program.

Honours Master of Court Management by Research

This course is open to graduates in other disciplines who have completed a bachelor degree of at least 4 years duration at Honours Class II level or who hold a postgraduate degree. Applicants with a pass degree of at least 3 years duration may enter the program on satisfactory completion of a Research Paper in Judicial Administration and should contact the Faculty of Law's Postgraduate Co-ordinator. Students also attend work in progress seminars on research into courts and the administration of justice.

Honours Master of Laws by Research

Honours Master of Laws (Natural Resources Law) by Research

Honours Master of Laws (Court Management) by Research

These courses are open to students with a degree in Law with Honours Class II or equivalent. Students who do not possess such a degree may be permitted to demonstrate capacity for research by first completing a Special Research Paper in Law and should contact the Faculty of Law's Postgraduate Co-ordinator. The requirement of the degree is the satisfactory completion of a thesis to the value of 48 credit points (LAW998 Major Thesis) in accordance with Attachment C to the Course Rules.

Honours Master of Natural Resources Law by Research

Applicants who hold a degree with Honours Class II or equivalent are eligible to apply. The course is designed for students to write a research dissertation in the area of Natural Resources Law and Policy. The requirement of the degree is the satisfactory completion of a thesis to the value of 48 credit points (LAW998 Major Thesis).

Master of Court Management

Master of Laws (Court Management)

Applicants who hold a recognised degree in law are eligible for the Master of Laws (Court Management) while other suitably qualified applicants are eligible for the Master of Court Management. Students who have previously completed requirements for the Graduate Diploma in Law (Court Policy and Administration) at a satisfactory level may convert to these degrees by completing LAW901 Research in Court Management.

The coursework component is not offered for 2001.

Master of Laws (Natural Resources Law)

This course is open to applicants who hold a degree in law. To qualify for the degree, an applicant must complete the requirements for the Graduate Diploma in Natural Resources Law and a research paper valued at 24 credit points (LAW930 Research Project in Natural Resources Law).

Master of Laws (International & Comparative)

The course is a one year 48 credit point program which includes courses in international and comparative law, a research essay and other subjects chosen to complement the student's background and interests.

Compulsory Common Subjects

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Points</th>
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<tbody>
<tr>
<td>LLB9100</td>
<td>Introduction to Legal Systems</td>
<td>8</td>
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<tr>
<td>LLB9337</td>
<td>Comparative Studies in Law</td>
<td>8</td>
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<tr>
<td>LLB9343</td>
<td>International Law</td>
<td>8</td>
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<td>or</td>
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<tr>
<td>INTR900</td>
<td>International Law and Diplomacy</td>
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<tr>
<td>LAW993</td>
<td>Research Essay</td>
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Options: Language

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<tr>
<td>ELS151</td>
<td>English for Academic Purposes: A second language Perspective</td>
<td>8</td>
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<tr>
<td>LLB9395</td>
<td>Legal Research and Writing</td>
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Options: Natural Resources/Environmental Law

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Points</th>
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<tbody>
<tr>
<td>LLB911</td>
<td>Introduction to Natural Resources Law</td>
<td>8</td>
</tr>
<tr>
<td>LAW924</td>
<td>International Environmental Law</td>
<td>8</td>
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<tr>
<td>LLB918</td>
<td>Law of Land and Nature Conservation</td>
<td>8</td>
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<tr>
<td>LAW922</td>
<td>International Maritime Environment Law</td>
<td>8</td>
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<tr>
<td>LLB919</td>
<td>Water Resources Law</td>
<td>8</td>
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<tr>
<td>LLB920</td>
<td>Local Government and Natural Resources</td>
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Options: International Law

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<tr>
<td>LAW922</td>
<td>International Maritime Environmental Law</td>
<td>8</td>
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<tr>
<td>LAW923</td>
<td>Law of the Sea</td>
<td>8</td>
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<tr>
<td>LAW924</td>
<td>International Environmental Law</td>
<td>8</td>
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<tr>
<td>LLB9344</td>
<td>Indigenous Peoples and Legal Systems</td>
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Options: Commercial Law

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<tbody>
<tr>
<td>LLB9320</td>
<td>Commercial and Consumer Contracts</td>
<td>8</td>
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<tr>
<td>LLB9331</td>
<td>Intellectual Property Law</td>
<td>8</td>
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<tr>
<td>LLB9360</td>
<td>Foreign Investment Law in the People's Republic of China</td>
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Compulsory Common Subjects

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<td>LLB9330</td>
<td>Law of Employment</td>
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<tr>
<td>LLB9332</td>
<td>Labour Relations Law</td>
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</table>
Faculty of Law

LLB9335 Anti-Discrimination Law

Compulsory Common Subjects

LLB9210 Law of Contracts
LLB9307 Law of Torts
LLB9304 Criminal Law and the Process of Justice
LLB9305 Law of Property A
LLB9301 Evidence
LLB9344 Indigenous Peoples and Legal Systems
LLB9348 Media Law
LLB9349 Feminism and Law
LLB9350 Special Study in Law A
LLB9351 Special Study in Law B
LLB9360 Foreign Investment Law in the People’s Republic of China
LLB9362 Advanced Revenue Law

Master of Natural Resources Law

This course is open to applicants with an undergraduate degree of at least 3 years duration from a recognised institution, or those who have completed the Graduate Diploma in Natural Resources Law at an appropriate level. To qualify for the degree, an applicant must complete the requirements for the Graduate Diploma in Natural Resources Law and a research paper valued at 24 credit points (LAW930 Research Project in Natural Resources Law).

Master of Transnational Crime Prevention

The Master of Transnational Crime Prevention is a full-fee paying course aimed at both the domestic and overseas market. The course is a specialised program attractive to 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.

The course is an interdisciplinary program taught in flexible delivery mode involving students in short on-campus intensives and undertaking research and other assignments by distance, using the internet and email.

This unique program will require students to undertake a range of subjects that will provide the knowledge and skills to be effective in a complex, multi-jurisdictional environment requiring co-operation between both governmental and private organisations. The skills addressed include both financial and auditing, and computer IT skills required in tracking fraudulent and other criminal activity. Completion of the program should, therefore, enhance students' career opportunities, including in risk management and corporate crime prevention.

Entry requirements

Candidates should be graduates or should have extensive relevant experience at a high level.

English language requirements

IELTS overall band 7.0, or

IHLTS overall band 6.0 with attendance at ILS151 Introduction to English for Academic Purposes.

Program of Study

This course is a 48 credit point one year full time or equivalent part time program. Students will be required to undertake the following prescribed subjects:

LEGL910 International Co-operation in Crime Prevention
LEGL911 International Criminal Law
LEGL912 Comparative Criminal Justice
LEGL920 Transnational Corporate Crime
LEGL921 Crime and Transnational Financial Transactions
LEGL922 Financial Investigations Practice and Procedure
LEGL923 Crime and Information Technology Regulation
LEGL930 Research and Writing
LEGL931 Computing and Statistical Skills
LEGL940 Transnational Organised Crime

AND one of the following electives:

LEGL950 Transnational Crime Prevention Research Project
LEGL951 Special Studies in Transnational Crime Prevention and Investigation

Graduate Diploma in Law

LAW810 Law in Society
LAW811 Law of Contracts
LAW8395 Legal Research and Writing

The Graduate Diploma in Law is intended for those who wish to study law at postgraduate level without embarking on a law degree. It is also designed for those students interested in pursuing entry into the graduate law program. Students who have been unsuccessful in gaining admission to the graduate law program on the basis of their first degree results, may, on successful completion of the Graduate Diploma, apply again for entry into the graduate law program. The Faculty guarantees entry into the graduate law program if a credit grade point average of 65 is achieved in the Graduate Diploma.

Subject to pre-requisites, students may choose a program to suit their needs from LLB subjects offered by the Faculty.

A candidate must complete subjects to a value of at least 50 credit points including LAW810, LAW811 and LAW8395.

Graduate Diploma in Legal Practice

This accredited course will be delivered through independent and interactive learning, incorporating information technology, group workshops and seminars. Course activities will relate to work undertaken at the placement or employment site and computer technology will develop students' familiarity with the use of technology in a modern legal practice.

The following subjects must be completed:
Course Structures

LLB843  Professional Practice  8
LLB844  Practice Management  8
LLB845  Conducting Litigation  16
LLB846  Commercial and Property Practice  16

Graduate Diploma in Natural Resources Law

Compulsory subjects
LAW910  Introduction to Law
LAW911  Introduction to Natural Resources Law

Options
at least 4 chosen from those offered which may include:
LAW912  International Law
LAW914  Mining Law
LAW918  Law of Land & Nature Conservation
LAW919  Water Resources Law
LAW920  Local Government & Natural Resources
LAW921  Marine Resources Law
LAW922  International Maritime Environmental Law
LAW923  Law of the Sea
LAW924  International Environmental Law
LAW926  Comparative Environmental Law
LAW928  Special Studies in Law I Natural Resources
LAW929  Special Studies in Law II Natural Resources

This course (available on both a full-time and part-time basis) is intended both for those who have no prior legal education but want a focused introduction to law through a study of natural resources law, and for those with a prior legal education who wish to specialise in the field of natural resources law. The course is made up of two compulsory subjects (Introduction to Law; Introduction to Natural Resources Law) and four subjects chosen from a range of options (offered on the basis of demand and teaching resources). Those who have studied law previously may be exempted from some compulsory subjects and allowed to study additional optional subjects. Subjects will be offered on a mixed mode basis, combining intensive residential schools with directed reading and writing. Assessment may be based on assignments, participation in class discussions, examinations and research essays.

Note: This course is currently under review. Please contact the Faculty of Law Postgraduate Co-ordinator for more details.

Graduate Certificate of Transnational Crime Prevention

The Graduate Certificate in Transnational Crime Prevention is a full-fee paying course aimed at both the domestic and overseas market. The course is a specialised program attractive to 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.

The course is an interdisciplinary program taught in flexible delivery mode involving students in short on-campus intensives and undertaking research and other assignments by distance, using the internet and email.

This unique program will require students to undertake a range of subjects that will provide the knowledge and skills to be effective in a complex, multi-jurisdictional environment requiring co-operation between both governmental and private organisations. The skills addressed include both financial and auditing, and computer IT skills required in tracking fraudulent and other criminal activity. Completion of the program should, therefore, enhance students' career opportunities, including in risk management and corporate crime prevention.

On successful completion of the Graduate Certificate in Transnational Crime Prevention students will be guaranteed entry into the Master of Transnational Crime Prevention program.

Entry requirements
Candidates should be graduates or should have extensive relevant experience at a high level.

English language requirements:
IELTS overall band 7.0, or IELTS overall band 6.0 with attendance at ELS151 Introduction to English for Academic Purposes.

Program of Study
This course is a 24 credit point one session full time or equivalent part time program. Students will be required to undertake the following prescribed subjects:
LEGL911  International Criminal Law  4
LEGL930  Research and Writing  2
AND any other electives to the value of at least 18 credit points
LEGL910  International Co-operation in Crime Prevention  4
LEGL912  Comparative Criminal Justice  4
LEGL920  Transnational Corporate Crime  4
LEGL921  Crime and Transnational Financial Transactions  4
LEGL922  Financial Investigations Practice and Procedure  4
LEGL923  Crime and Information Technology Regulation  4
LEGL931  Computing and Statistical Skills  2
LEGL940  Transnational Organised Crime  8
LEGL951  Special Studies in Transnational Crime Prevention and Investigation  8

314
LAW 810 Law in Society 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Class Participation, Court Research Plan, Court Research Report, Essay, Take-Home Problem, Examination.
Subject Description: An overall perspective on the Australian legal system and its role in the Australian social order; an introduction to the sources of 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.
Subject Objectives: To recognise and describe, in broad analytical terms, the interdependence between law and society in Australia; identify and describe, in broad terms, relations between law and significant features of Australian society; explain the processes of law-making by Australian parliaments; describe and apply different approaches to statutory interpretation; describe and apply processes of analysis and justification by judges; understand and evaluate context, functions and limits of law as an instrument of social policy, being receptive to a wide range of approaches to the study of law in society; recognise and explain relationship between justice and the social order and explain the consequences of a legal system failing to achieve just outcomes; to identify primary agencies and describe major processes of legal change in the Australian legal system.
Additional Information: n/a
Text books: Specially prepared subject materials.

LAW 811 Law of Contract 8 cp
Pre-requisites: LAW 810
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Class participation, assignments, final examination
Subject Description: The development of the modern law of contracts illustrating how scholars and lawyers have derived general principles of law from decisions about specific relationships; express and implied contracts; formation of contracts; the doctrine of privity of contract and statutory modifications; contractual terms and conditions; performance and breach; capacity to make contracts.
Subject Objectives: To to have acquired a good knowledge of the principles pursuant to which a person may be contractually bound and the consequences of being so bound; be able to identify the sources of contract law, and the relevant legal principles to apply to a given problem; be able to apply those legal principles to the analysis of complex hypothetical problems; be able to critically evaluate those principles and any need for reform and be able to discuss the shape any desirable reforms should take.
Additional Information: n/a

LAW 901 Research in Court Management 36 cp
Pre-requisites: Candidates who have previously completed requirements for the Graduate Diploma in Law (Court Policy and Administration)
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Research Paper
Subject Description: Supervised original research over 4 sessions into a current issue in court policy or administration or judicial decision making. The research may be empirical or analytical and is to be submitted in the form of either: (a) a management-oriented report detailing methods, findings, and implications; or (b) a paper suitable for journal publication.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

LAW 902 Research Project A 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 8,000 word dissertation
Subject Description: The student shall propose a research project for approval by the Dean.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

LAW 903 Research Project B 12 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 12,000 word dissertation
Subject Description: The student shall propose a research project for approval by the Dean.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

LAW 904 Research Project C 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 10,000 word dissertation
Subject Description: The student shall propose a research project for approval by the Dean.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Subject Descriptions

LAW 905 Research Project D 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 10,000 word dissertation.
Subject Description: The student shall propose a research project for approval by the Dean.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

LAW 906 Judicial Administration 12 cp
Pre-requisites: First degree in any discipline
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: 4 pieces of assessment
Subject Description: This subject is the first of 4 court management subjects in the Graduate Diploma. It provides the foundation for the study of court management. The subject integrates principles of judicial administration with those of management, chosen for their particular relevance to the functions of the court manager.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
n/a

LAW 910 Introduction to Law 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: a selection from assignments, class participation, examination and research essay.
Subject Description: Introduction to the legal system; Commonwealth/State Division of powers; introduction to the law of contract, tort, criminal and administrative law; the distinction between contractual and proprietary interests.
Subject Objectives: To introduce you to the relevant legal concepts and principles which will serve as building blocks for substantive subjects in natural resources law.
Additional Information: This subject is offered on a mixed mode basis with a one week residential face to face teaching component.
Text books: Specially prepared course materials
Session contact campus delivery method
n/a

LAW 911 Introduction to Natural Resources Law 8 cp
Pre-requisites: n/a
Co-requisites: LAW 910
Restrictions: n/a
Exclusions: n/a
Assessment: a selection from assignments, class participation, examination and research essay
Subject Description: Ownership of natural resources; the implications of the Commonwealth/State division of legislative powers for natural resources regulation; the historical development and structure of natural resources law; overlaps between regulatory authorities; forward planning and development control; environmental impact assessment law; the law relating to pollution and waste disposal.
Subject Objectives: The objective of this subject is to introduce you to fundamental concepts and themes within natural resources/ environmental law, providing the building blocks required to pursue more specialised study in law and policy relating to specific natural resources, to be covered in optional subjects. Some issues are common to all areas of natural resources law, although the precise approach taken varies, allowing us to compare across different resources. The issues include questions of ownership, the application of techniques of environmental planning and assessment and the control of pollution.
Additional Information: This subject is offered on a mixed mode basis with a one week residential face to face teaching component
Text books: specially prepared course materials
Session contact campus delivery method
n/a

LAW 912 International Law 8 cp
Pre-requisites: LAW 910 and LAW 911
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: a selection from assignments, class participation, examination and research essay
Subject Description: The nature of international law and how international law is made and enforced. The strengths and weaknesses of international law in regulating State behaviour. The domestic implementation of international law.
Subject Objectives: n/a
Additional Information: This subject is offered on a mixed mode basis with a one week intensive residential face to face teaching component
Text books: Specially prepared course materials
Session contact campus delivery method
n/a

LAW 913 Resources Decision-Making 8 cp
Pre-requisites: n/a
Co-requisites: LAW 910 and LAW 911
Restrictions: n/a
Exclusions: n/a
Assessment: selection from assignments, class participation, examination and research essay
Subject Description: Bureaucratic decision making processes; cost-benefit analysis; risk assessment; environmental impact assessment; public participation in decision-making processes; the role of the courts and adversarial methods of dispute resolution; public inquiries and other alternative forms of dispute resolution; scientific and legal forms of proof.
Subject Objectives: The objective of this subject is to conduct an in-depth study of methods of decision-making used by government, private firms and others in the area of resource management, with particular reference to New South Wales, the ways others, including environmentalists, scientists, economists and consumers, can influence those decisions.
Additional Information: This subject is offered on a mixed mode basis with a one week intensive residential face to face teaching component
Text books: Specially prepared course materials
LAW 914  Mining Law  
8 cp  
Pre-requisites: LAW 910 and LAW 911  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: Selection from assignments, class participation, examination and research essay  
Subject Description: Ownership of minerals; the distinction between mining and extractive industry; exploration and mining titles under the mining and coal mining legislation; the relationship between mining legislation and environmental planning and assessment legislation; industrial health and safety law and the mining industry  
Subject Objectives: The objective of this subject is to introduce you to fundamental concepts and themes on mining law. The course covers the following topics: The historical and constitutional aspects of Australian mining legislation; the legal concepts of minerals and mining; issues of ownership of minerals; structuring minerals ownership in Australia; mining tenements under the Mining Act 1992 (NSW), environmental planning and impact assessment of mining operations; the interaction between planning law and mining law; environmental liability arising from mining operations; the implications of the Mabo decision for mining and petroleum and the international law aspects of mining  
Additional Information: This subject is offered on a mixed mode basis with a one week residential face to face teaching component  
Text books: Specially prepared course materials  
Session  contact campus delivery hours method  
n/a  

LAW 915  Commercial Aspects of Resources Development  
8 cp  
Pre-requisites: LAW 910 and LAW 911  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: A selection from assignments, class participation, examination and research essay  
Subject Description: Legal structures for resources projects; joint venture arrangements and financing resources projects (including investment regulation; taxation and stamp duty); legal aspects of resource marketing  
Subject Objectives: n/a  
Additional Information: This subject is offered on a mixed mode basis with a one week residential face to face teaching component  
Text books: Specially prepared course materials  
Session  contact campus delivery hours method  
n/a  

LAW 916  Energy Law 1  
8 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: A selection from assignments, class participation, examination and research essay  
Subject Description: The law relating to oil and gas exploration, production and transportation, including onshore and offshore exploration and production titles, royalties, pipelines and oil pollution. The law relating to the mining and use of uranium  
Subject Objectives: n/a  
Additional Information: This subject is offered on a mixed basis with a one week residential face to face teaching component  
Text books: Specially prepared course materials  
Session  contact campus delivery hours method  
n/a  

LAW 917  Energy Law II  
8 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: A selection from assignments, class participation, examination and research essay  
Subject Description: The law relating to electricity generation and transmission, including monopolisation and privatisation, the relationship between transmission and supply authorities, pollution control, pricing arrangements and cogeneration. The law relating to renewable energy resources, including rights of access to wind and sun  
Subject Objectives: n/a  
Additional Information: This subject is offered on a mixed mode basis with a one week residential face to face teaching component  
Text books: Specially prepared course materials  
Session  contact campus delivery hours method  
n/a  

LAW 918  Law of Land and Nature Conservation  
8 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: Selection from assignments, class participation, examination and research essay  
Subject Description: The law relating to the use and conservation of native vegetation, including special conservation areas, forestry in State forests and on privately owned land, agricultural land clearing, the law relating to the protection and exploitation of native fauna, including habitat conservation, regulation of commercial exploitation and endangered species legislation. The law relating to land degradation  
Subject Objectives: The objective of this subject is to conduct an in-depth study of law and policy relating to the conservation of nature, and the interrelationship which this area of the law has with law and policy relating to the conservation of the land resource  
Additional Information: This subject is offered on a mixed mode basis with a one week residential face to face teaching component  
Text books: Specially prepared course materials  
Session  contact campus delivery hours method  
Spring  flexible delivery Wollongong On Campus  

LAW 919  Water Resources Law  
8 cp  
Pre-requisites: n/a  
Co-requisites: n/a  
Restrictions: n/a  
Exclusions: n/a  
Assessment: A selection from assignments, class participation, examination and research essay  
Subject Description: The law relating to the allocation of inland waters, including the licensing system and water rights, irrigation, domestic supply, regulation of activities on flood plains and extractive industries in watercourses, catchment management and the control of diffuse pollution  
Subject Objectives: to conduct an indepth study of law and policy relating to the allocation of water from rivers for farming and domestic purposes, with particular reference to New South Wales, and with comparative references to US law and policy, and also law and policy relating to catchment planning and management
<table>
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<th>Subject Descriptions</th>
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<tbody>
<tr>
<td><strong>LAW 921</strong> Marine Resources Law 8 cp</td>
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<tr>
<td>Pre-requisites: LAW 910 and LAW 911</td>
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<td>Co-requisites: n/a</td>
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<td>Restrictions: n/a</td>
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<td>Exclusions: n/a</td>
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<tr>
<td>Assessment: A selection from assignments, class participation, examination and research essay.</td>
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<tr>
<td>Subject Description: The legal regulation of the resources of the sea under the United Nations Convention on the Law of the Sea 1982 and its associated instruments, in particular, living resources in the exclusive economic zone (fisheries), non-living resources on the continental shelf (hydrocarbons); high seas fishing, sea-bed mining and ocean thermal energy. Analysis of domestic issues in the implementation of the international regime, within a multiple use conceptual framework.</td>
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<tr>
<td>Subject Objectives: n/a</td>
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<td>Additional Information: n/a</td>
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<td>Text books: Specially prepared course materials</td>
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| **LAW 922** International Maritime Environmental Law 8 cp |
| Pre-requisites: n/a |
| Co-requisites: n/a |
| Restrictions: n/a |
| Exclusions: n/a |
| Assessment: A selection from assignments, class participation, examination and research essay. |
| Subject Description: Rules of international law dealing with the regulation of the marine environment. The obligations of States under the United Nations Convention on the Law of the Sea 1982, and other Conventions, to protect and preserve the marine environment. Port State’s and flag State’s responsibilities and powers of enforcement over vessels. Pollution control in zones of sovereignty and sovereign rights; pollution control on the high seas and in the Area. Marine biodiversity protection. |
| Subject Objectives: Be familiar with the legal, institutional and policy framework for international regulations of marine pollution and living resources. Understand the current issues in marine pollution, living resources and integrated marine area regulation facing Australia and others in the Asia-Pacific region. |
| Additional Information: This subject is offered in modular format. |
| Text books: Specially prepared course materials |
| Session  | contact  | campus  | delivery  | hours  | method |
| Autumn   | Flexible | Wollongong | On Campus | 8 cp   | n/a    |
|          | delivery |           |           |         |         |
|          | through a |           |           |         |         |
|          | combination |           |           |         |         |
|          | of off-campus |           |           |         |         |
|          | and on-campus |           |           |         |         |
|          | activities |           |           |         |         |

| **LAW 923** The Law of the Sea 8 cp |
| Pre-requisites: LAW 910 and LAW 911 |
| Co-requisites: n/a |
| Restrictions: n/a |
| Exclusions: n/a |
| Assessment: Class participation, examination, research essay |
| Subject Description: The evolving law of the sea from an historical perspective. The 1982 United Nations Convention on the Law of the Sea (LOSC) and its associated instruments. Maritime zones of jurisdiction and the navigational regime under (LOSC). The major factors influencing the development of the law of the sea; the various interests involved in the law of the sea and how LOSC attempts to balance these interests. |
| Subject Objectives: To be familiar with the framework of the law of the sea regime, be aware of its rules in various sectors and of the institutional processes for their development and understand the political and management issues in the law of the sea now facing the Asia-Pacific region. |
| Additional Information: This subject is offered in modular format. |
| Text books: Specially prepared course materials |
| Session  | contact  | campus  | delivery  | hours  | method |
| Autumn   | Flexible | Wollongong | On Campus | 8 cp   | n/a    |
|          | delivery |           |           |         |         |
|          | through a |           |           |         |         |
|          | combination |           |           |         |         |
|          | of off-campus |           |           |         |         |
|          | and on-campus |           |           |         |         |
|          | activities |           |           |         |         |

| **LAW 924** International Environmental Law 8 cp |
| Pre-requisites: LAW 910 and LAW 911 |
| Co-requisites: n/a |
| Restrictions: n/a |
| Exclusions: n/a |
| Assessment: A selection from assignments, class participation, class presentation, examination and research essay. |
| Subject Description: The relevant legal rules at the international level designed to protect the global environment. The historical development of these rules and the institutional framework within which they are made and enforced. The weaknesses of international environmental law, focusing on problems of domestic implementation. |
Subject Objectives: To be familiar with the framework and institutional processes for development of standards in international environmental law, be aware of its fundamental principles and concepts, to be able to understand the political and administrative issues encountered in implementation of international environmental law, as exemplified in the Australian context, to be familiar with some of the multilateral and unilateral applications of economic instruments for environmental purposes which can affect international trade.

Additional Information: The subject is offered on a modular basis.

Textbooks: Specially prepared course materials.

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LAW 925 Biodiversity Conservation and the Law 8 cp

Pre-requisites: LAW 910 and LAW 911
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: A selection from assignments, class participation, examination and research essay.


Subject Objectives: n/a

Additional Information: n/a

Textbooks: Specially prepared course materials.

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LAW 926 Comparative Environmental Law 8 cp

Pre-requisites: LAW 910 and LAW 911
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A comparison of the varying legal instruments developed by countries to implement environmental policy. The implementation of international environmental obligations within domestic law, emphasising the range of approaches adopted.

Subject Objectives: n/a

Additional Information: This subject is offered on a mixed mode basis with a one week residential face to face teaching component.

Textbooks: Specially prepared course materials.

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LAW 927 Natural Resources Law Review 8 cp

Pre-requisites: Approval of the Co-ordinator
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Editorial work and research paper

Subject Description: Commissioning and editing of academic papers contributed to the Australasian Journal of Natural Resources Law and Policy, a biannual published by the Faculty of Law and distributed worldwide.

Subject Objectives: To develop skills in legal writing and editing; in analysis of legal arguments and to broaden students' familiarity with a broad range of topical issues in natural resources law and policy.

Additional Information: n/a

Textbooks: Specially prepared course materials.

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LAW 928 Special Studies in Natural Resources Law 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Research essay

Subject Description: A study in depth of a selected area of Natural Resources Law.

Subject Objectives: n/a

Additional Information: n/a

Textbooks: n/a

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LAW 929 Special Studies in Environmental Law 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: A study in depth of a selected area of Natural Resources Law.

Subject Objectives: n/a

Additional Information: n/a

Textbooks: n/a

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LAW 930 Research Project in Natural Resources Law 24 cp

Pre-requisites: 24 credit points at 900 level from the Natural Resources Law & Policy course
Co-requisites: 24 credit points at 900 level from the Natural Resources Law & Policy course
Restrictions: n/a
Exclusions: n/a
Assessment: Research essay

Subject Description: Content as arranged

Subject Objectives: n/a

Additional Information: n/a

Textbooks: n/a

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LAW 933 Special Studies in International Environmental Law I 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

LAW 934 Special Studies in International Environmental Law II 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

LAW 936 Research Project in International Environmental Law 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: n/a
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

LAW 950 Foreign Investment Law in the People’s Republic of China 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: class participation, negotiation group work, examination
Subject Description: An analysis of the laws and procedures regulating foreign investment in, and trade with, the PRC. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation, customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.
Subject Objectives: By the end of the course a student will be expected to: be able to: demonstrate an understanding of the overall legal system in the People’s Republic of China as would affect business transactions with foreign investors; assess the legal issues relevant to a foreign investor doing business in the People’s Republic of China; identify the

Chinese legislation relevant to the business transactions being negotiated; negotiate the terms of a contract relevant to a business transaction between a Chinese national and a foreign investor; draft a contract in accordance with the terms negotiated and in accordance with the laws of the People’s Republic of China

Additional Information: This subject is run over 5 intensive days.

Text books: n/a

Session contact campus delivery method
n/a

LAW 951 Taxation Policy and Practice 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: To be advised

Subject Description: An examination of the revenue laws including income tax, sales tax, property tax, stamp duty and payroll tax.

Subject Objectives: n/a

Text books: To be advised

Session contact campus delivery method
n/a

LAW 953 Studies in Taxation 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The statutory and common law foundations of Australian income tax including double tax agreements.

Subject Objectives: n/a

Text books: n/a

Session contact campus delivery method
n/a

LAW 960 Legal Studies For Professionals 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: problem assignment, research essay, examination

Subject Description: This subject is offered in a series of modules. The first module lasts for 5 weeks and is completed by all students. It introduces the constitutional and legal structure and explores the nature and processes of law. The second and third modules are designed for postgraduate students and, currently, address areas of law relevant to health professionals and management issues. Other modules may be developed to cater for the needs of particular courses.

Subject Objectives: By the completion of this subject, the student should be able to, describe and explain the functions and processes of law in Australia; recognise issues of law that arise in the practice of the student’s profession; identify and describe basic legal principles relevant to those issues; from those principles formulate and express arguments relevant to decisions about those legal issues.

Additional Information: n/a
LAW 961 Selected Legal Topics in Management 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Selected legal topics in management. The selection will be made by the Dean, taking into account the expertise of academic staff, including visiting staff and the interest of students.
Additional Information: n/a

Text books: Wallace, M.

Session  contact hours  campus  delivery method
Spring  n/a  Wollongong  On Campus
Spring  n/a  Wollongong  Flexible

LAW 963 Jurisprudence 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A study of theories on the nature and purpose of law.
Additional Information: n/a

Text books: n/a

Session  contact hours  campus  delivery method
n/a

LAW 964 Studies in Business Law 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A detailed examination of the law relating to selected aspects of business organisations, including the law relating to the nature and formation of partnership, mergers and takeovers, insider trading and securities.
Additional Information: n/a

Text books: n/a

Session  contact hours  campus  delivery method
n/a

LAW 965 Studies in Administrative Law 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A detailed examination of the legal problems raised for individual citizens in the exercise of Governmental or other public powers. Particular topics include delegated legislation, ministerial responsibility, statutory corporations and administrative tribunals. Crown proceedings; and the statutory and common law procedures which may be invoked to counter allegations of maladministration or illegality including the Administrative Appeals Tribunals; judicial review and ombudsmen.
Additional Information: n/a

Text books: Wallace, M.

Session  contact hours  campus  delivery method
Spring  n/a  Wollongong  On Campus
Spring  n/a  Wollongong  Flexible

LAW 966 Studies in Industrial Law 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A detailed examination of the law (including some comparative law) relating to selected aspects of employment relationships including industrial accidents, job security, registration and control of trade unions, picketing, the right to work and closed shop agreements, and conciliation and arbitration and collective bargaining.
Additional Information: Subject available only to those doing FCON992 Research Report (24 credit points). For further details, see Subject Requirements in Economics section.

Text books: To be advised.

Session  contact hours  campus  delivery method
n/a

LAW 967 Studies in Trade Practices and Consumer Law 6 cp

Pre-requisites: LAW 100
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A detailed examination of restrictive practices and the development of the law to counter them including the role of the Commonwealth and New South Wales agencies which administer the relevant Acts.

Additional Information: n/a

Text books: n/a

Session  contact hours  campus  delivery method
n/a

LAW 968 Issues in the Philosophy of Law 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A critical examination of a selection of the following topics: (i) the nature and purpose of law; (b) the logic of legal reasoning; law and textual analysis; legal causation, probability, evidence and standards of proof; (c) the defeasibility of practical reason; causal explanations and reasons explanations; action, intention and will; agency, control and responsibility; the nature of justification and excuse; (d) the justification of punishment; the moral limits of the criminal law; conscience and the law; morality and defences to murder; contemporary moral issues of legal interest (eg informed consent, reproduction technology, euthanasia); concepts of property. Issues selected will be discussed in the context of particular areas of law. The emphasis will be on philosophical issues in criminal law.

Additional Information: n/a
Subject Descriptions

Text books: n/a
Session contact campus delivery method
n/a

LAW 969 Occupational Health and Safety Law 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Class participation, essay, seminar paper and examination
Subject Description: The legal environment of occupational health and safety, comprising introduction to legal system, interpretation of legislation and role of courts in law-making; employers’ duties under common law; overview of workers compensation legislation (liability and compensation principles); legal regulation under Occupational Health and Safety Act 1983 (NSW) and similar legislation (including aims, general duties, defences, regulations, workplace committees, inspection and compliance); critical appraisal of legal approaches to workplace safety.
Subject Objectives: By completing this subject, students will be able to: identify legal issues in the management of occupational health and safety; explain the regulatory approaches taken by common law and legislations of workplace health and safety; apply the liability and compensation provisions of the Workers Compensation Act 1987 (NSW) to factual situations; analyse legal cases on liability for breaches of workplace safety and extract their legal principles; identify and apply the principles of liability (including defences) under the Occupational Health and Safety Act 1983 (NSW) to factual situations; compare and evaluate the approaches taken to different legal regulatory strategies, and their role in achieving behavioural change.
Additional Information: n/a
Text books: To be advised
Session contact campus delivery method
Autumn 3 hrs - L/S Wollongong On Campus

LAW 970 Banking and Financial Institutions Law 6 cp
Pre-requisites: Bachelor of Commerce specialising in Finance or approval by the Head of Department
Co-requisites: n/a
Restrictions: n/a
Exclusions: Not to count with IJLB321
Assessment: Assignment, research essay, final examination
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.
Subject Objectives: Discuss the legal framework governing financial institutions and banking and the relationship between the law and business practice; identify relevant legal and practical implications of the legal framework on the relationship between financial institutions and their clients; and the particular rules applying to this relationship; analyse the legal relationship between the borrower and the secured lender and identify legal issues in the management of occupational health and safety; explain the regulatory approaches taken by common law and legislations of workplace health and safety; apply the liability and compensation provisions of the Workers Compensation Act 1987 (NSW) to factual situations; analyse legal cases on liability for breaches of workplace safety and extract their legal principles; identify and apply the principles of liability (including defences) under the Occupational Health and Safety Act 1983 (NSW) to factual situations; compare and evaluate the approaches taken to different legal regulatory strategies, and their role in achieving behavioural change.
Additional Information: n/a
Text books: To be advised
Session contact campus delivery method
Autumn Refer to Faculty Wollongong On Campus

LAW 975 Environmental Compliance 8 cp
Pre-requisites: Approval by the Co-ordinator
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: preliminary essay, research paper, class presentation, class participation
Subject Description: The need for improved compliance with natural resources standards is generating new approaches to regulatory design going beyond command and control. The range of regulatory instruments is rapidly growing to include property rights and individual transferable quotas; land based licensing; emissions trading systems; eco-labeling and certification processes; pollutant inventories; and procurement codes. In relation to voluntarily undertaken responsibilities, study includes private sector self regulation agreements; environmental management systems and audits, public reports and other information disclosure.
Subject Objectives: At the conclusion of the subject students should understand the nature of traditional command and control systems and their shortcomings; the alternative forms of regulatory systems available in a natural resources context, particularly economic and information instruments; the legal drivers of corporate compliance systems; and the nature and context of corporate compliance systems.
Additional Information: This subject is offered on a mixed mode basis.
Text books: Specially prepared course materials.
Session contact campus delivery method
n/a

LAW 988 Special Topic in Law - A 6 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: A special topic to be selected from any area of commercial law. The selection will be made by the Sub-dean taking into account the expertise of academic staff, including visiting staff, and the interest of students.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

LAW 993 Research Essay 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
LAW 998  **Major Thesis**  48 cp

Pre-requisites: A degree in law with Honours Class II or equivalent.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Content as arranged.

Additional Information: n/a

Text books: n/a

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LAW 999  **Special Research Paper in Law**  48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a
Subject Description: Content as arranged.

Additional Information: n/a

Text books: n/a

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LAW9380  **Law For Environmental Managers**  8 cp

Pre-requisites: 72 credit points in a discipline other than Law
Co-requisites: Nil
Restrictions: n/a
Exclusions: Not to count with LAW100 or LAW334
Assessment: Take-home examination, take-home exercise and a final examination

Subject Description: Examination of both legal and public policy issues in the area of environmental protection, resource utility and management, emphasizing the available machinery for preventative and remedial action, e.g. pollution control legislation. Appraisal of local, regional, state and national distribution of power and resources.

Subject Objectives: A critical appreciation of the general anthropocentric and fragmented nature of environmental law, and the role of the ideology of private property in shaping environmental policy instruments; an understanding of the division of environmental responsibilities between the various levels of government in Australia, together with an appreciation of opportunities and constraints for closer integration of environmental decision making within the Federal system; an understanding of basic principles of international environmental law and their implications for environmental law in Australia; an understanding of legal principles relating to Australian statutory systems for environmental planning and development control; a sound working knowledge of the Environmental Planning and Assessment Act 1979 (NSW); an ability to interpret environmental planning instruments; an understanding of fundamental legal principles relating to statutory systems of pollution control.

Additional Information: Those enrolled for this subject must attend the first five weeks of LAW960 Law for Professionals.

Text books: Bound supplementary reading materials prepared by the Faculty of Law.

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LEG910  **International Cooperation in Crime Prevention**  4 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Class presentation, take-home examination, research paper

Subject Description: The politics of international relations, regional security and transnational crime and their historical background. UN institutions including the proposed International Criminal Court, different regional institutions, anti-corruption mechanisms, whistleblowing, transparency in governance and the role of civil society.

Subject Objectives: On successful completion of this subject, a student will be able to demonstrate an understanding of the politics of international relations and their effect on international cooperation to combat Transnational Crime; appreciate how forms of multilateral and bilateral international cooperation are developed; identify relevant norms and instruments applicable in international cooperation arrangements in the prevention and detection of organised crime eg. regimes established by the 1988 Narcotic Drugs and Psychotropic Substances Treaty, analyse the strengths and weaknesses of international cooperation regionally and globally.

Additional Information: Students should be graduates or have extensive relevant experience at a high level.

Text books: Specially prepared course materials.

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LEG911  **International Criminal Law**  4 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Class presentation, take-home examination, research paper

Subject Description: International law related to national extraterritorial regulatory and enforcement jurisdiction, mutual assistance and extradition, and international crimes and tribunals. Includes an overview of relevant international instruments such as the UN Narcotic Drugs and Psychotropic Substances Treaty, the OECD Convention Bribery, the Draft UN Convention against Transnational Organised Crime, the Law of the Sea Convention, and bilateral instruments such as extradition treaties and mutual assistance treaties.

Subject Objectives: On successful completion of this subject, a student will be able to: demonstrate an understanding of the limits in international law of national extraterritorial jurisdiction to prosecute and regulate criminal conduct; appreciate how forms of multilateral and bilateral international cooperation are developed to extend jurisdictional limits; identify relevant legal norms and instruments applicable in international criminal law and procedure; analyse the strengths and weaknesses of international criminal law in its current state of development.

Additional Information: Students should be graduates or have extensive relevant experience at a high level.

Text books: Specially prepared course materials.

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Subject Descriptions

**LEGL912 Comparative Criminal Justice** 4 cp

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a

**Assessment:** class presentation, take-home examination, research paper

**Subject Description:** Common law, civil law and sharia criminal justice systems are compared with the objective of developing an appreciation of different legal systems, cultures and ethics. International criminal procedure is examined including international policing cooperation.

**Subject Objectives:** On successful completion of this subject, a student will be able to: demonstrate an understanding of the basic structure and principles of civil law, sharia and common law systems; explore and analyse the substantive law of the different legal systems in key subject areas; develop a working knowledge of key issues when confronted with inter-jurisdictional problems involving different legal systems with a view to formulating appropriate solutions.

**Additional Information:** Students should be graduates or have extensive relevant experience at a high level.

**Text books:** Specially prepared course materials.

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**LEGL920 Transnational Corporate Crime** 4 cp

- **Pre-requisites:** n/a
- **Co-requisites:** LEGL911 International Criminal Law
- **Restrictions:** n/a
- **Exclusions:** n/a

**Assessment:** class presentation, take-home examination, research paper

**Subject Description:** Fraud, money laundering, tax evasion and tax havens, securities offences, corporate structures including holding companies and subsidiaries, directors' responsibilities. Case studies and examples provided by relevant guest lecturers from government and commerce.

**Subject Objectives:** On successful completion of this subject, a student will be able to: demonstrate an understanding of the character of the international corporate environment; appreciate how public international law impacts on corporate regulation; identify barriers to effective law enforcement and crime prevention in a global and regional context; analyse, discuss and propose solutions for problems in the subject area using legal methodology including reference to legal instruments, cases and public policy.

**Additional Information:** Students should be graduates or have extensive relevant experience at a high level.

**Text books:** Specially prepared course materials.

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**LEGL921 Crime and Transnational Financial Transactions** 4 cp

- **Pre-requisites:** n/a
- **Co-requisites:** LEGL911 International Criminal Law
- **Restrictions:** n/a
- **Exclusions:** n/a

**Assessment:** class discussions, take-home examination, individual essay

**Subject Description:** The subject focuses on the implications of fraud for the financial sector. It entails analysis of fraudulent activity in financial transactions, e.g. letters of credit, credit cards, electronic transfers, insurance, banking codes, and other banking procedures, together with the rules governing the disclosure of account holders and other forms of government record tracing.

**Subject Objectives:** On successful completion of this subject, a student will be able to: discuss and illustrate the impact of crime and transnational financial transactions within the financial sector; demonstrate an understanding of the legal considerations involved in crime and transnational financial transactions; identify the types of financial instruments available in financial sectors and the potential problems that can arise while using these financial instruments; demonstrate an understanding of transnational financial crime; analyse new developments in preventing crime within the financial sector; assess relevant social, economic and political factors.

**Additional Information:** Students should be graduates or have extensive relevant experience at a high level.

**Text books:** Specially prepared course materials.

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**LEGL922 Financial Investigations Practice and Procedure** 4 cp

- **Pre-requisites:** n/a
- **Co-requisites:** LEGL911 International Criminal Law
- **Restrictions:** n/a
- **Exclusions:** n/a

**Assessment:** class discussions, take-home examination, individual essay

**Subject Description:** This subject focuses on the investigation of accounts and other relevant financial information held by financial organisations. It entails analysis of financial and other account information, auditing of accounts, and accountant and lawyer ethics and responsibilities eg. in relation to confidentiality, search warrants and subpoenas.

**Subject Objectives:** On successful completion of this subject, a student will be able to: discuss and illustrate the impact of financial investigations, both in theory and practice, within the financial sector; display a knowledge of the legal considerations involved in financial investigations; identify potential areas that warrant further financial investigations and the potential problems that can be encountered; demonstrate an understanding of the responsibilities of lawyers, bankers and accountants when undertaking confidential financial investigations; analyse new developments in asset tracing; demonstrate an understanding of the auditing function; assess relevant, economic and political implications.

**Additional Information:** Students should be graduates or have extensive relevant experience at a high level.

**Text books:** Specially prepared course materials.

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**LEGL923 Crime and Information Technology Regulation** 4 cp

- **Pre-requisites:** n/a
- **Co-requisites:** LEGL911 International Criminal Law
- **Restrictions:** n/a
- **Exclusions:** n/a

**Assessment:** class discussions, individual assignments and essay

**Subject Description:** The subject focuses on the implications of developments in information technology for corporate and governmental security. It entails analysis of E-commerce regimes, theft of services and intellectual property and information piracy, dissemination of offensive materials, money laundering, vandalism, illegal interception, fraud, mobility and location of crime together with the rules governing the disclosure of account holders by Internet Service Providers (ISP) and forensic skills.

**Subject Objectives:** On successful completion of this subject, a student will be able to: discuss and illustrate the impact of information technology crimes on both the corporate and governmental sectors; demonstrate an understanding of the legal considerations involved in information technology regulation and security; identify the potential problems that can arise in protecting intellectual property; demonstrate an understanding of financial crime and the internet; analyse new developments in preventing and detecting crime facilitated by the World Wide Web; assess relevant social, economic and political factors.

**Additional Information:** Students should be graduates or have extensive relevant experience at a high level.

**Text books:** Specially prepared course materials.
LEGL931 Computing and Statistical Skills 2 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: practical exercises and assignments

Subject Description: The subject is intended to introduce students to the application of information technology in legal and financial work, including information retrieval, litigation support, property (land) transactions, company searches, court and office management and the use of expert systems. The subject content is similar to that offered by the Faculty in LLB390.

Subject Objectives: On successful completion of this subject, a student will be able to: save, transport and organise electronic information using a variety of platforms and applications; send an E-mail message with standard 'signature' and attachments; create a document using Microsoft Word; and copy it to an E-mail message; understand the basic concepts of information storage and retrieval using databases; construct their own database using Filemaker Pro, using appropriate fields and layouts; search for and find legal and other resources on-line using AustLII, Lexis and other databases; export data from a Filemaker to a Word file and edit that data to an acceptable format for legal citation; comprehend the fundamental notions of statistical inference interpretation of numerical data; manipulate numerical data in tables and graphs using Excel.

Additional Information: Students should be graduates or have extensive relevant experience at a high level.

Text books: Specially prepared course materials.

Returns: n/a
Exclusions: n/a

Assessment: practical exercises and assignments

Subject Description: The subject is intended to introduce students to the application of information technology in legal and financial work, including information retrieval, litigation support, property (land) transactions, company searches, court and office management and the use of expert systems. The subject content is similar to that offered by the Faculty in LLB390.

Subject Objectives: On successful completion of this subject, a student will be able to: save, transport and organise electronic information using a variety of platforms and applications; send an E-mail message with standard 'signature' and attachments; create a document using Microsoft Word; and copy it to an E-mail message; understand the basic concepts of information storage and retrieval using databases; construct their own database using Filemaker Pro, using appropriate fields and layouts; search for and find legal and other resources on-line using AustLII, Lexis and other databases; export data from a Filemaker to a Word file and edit that data to an acceptable format for legal citation; comprehend the fundamental notions of statistical inference interpretation of numerical data; manipulate numerical data in tables and graphs using Excel.

Additional Information: Students should be graduates or have extensive relevant experience at a high level.

Text books: Specially prepared course materials.

Session contact hours delivery method
------------------ ------------- --------------- 
Spring 1 hr Wollongong On Campus

LEGL940 Transnational Organised Crime 8 cp

Pre-requisites: LEGL 911 International Criminal Law
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: class presentations and research paper

Subject Description: All students will undertake a common core module on the analysis and structure of transnational organised crime, including the sociology of the development of such crime. Thereafter, students will choose one case study on serious organised crime to be selected from Terrorism, Banking Fraud, Firearms Trafficking, Narcotics, People Trafficking, Environmental Crime, Maritime Crime and Intellectual Property Crimes. Examples and case studies will be provided by relevant experts from Government and Commerce.

Subject Objectives: On successful completion of this subject, a student will be able to: demonstrate an understanding of the sociology of organised crime groups and gangs and the impact of corruption; appreciate how forms of bilateral and triangular international cooperation are developed to combat the international dimensions of organised crime; identify relevant legal norms and instruments applicable in international criminal law and procedure; analyse the strengths and weaknesses of national and international criminal laws as well as law enforcement and crime prevention models in relation to transnational organised crime.

Additional Information: Students should be graduates or have extensive relevant experience at a high level.

Text books: Specially prepared course materials.

Returns: n/a
Exclusions: n/a

Assessment: 10,000 word dissertation.

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 subject experience and background. Where appropriate, assistance from external experts is encouraged.

Subject Objectives: On successful completion of this subject, a student will be able to: conduct independent research; draw on a range of international and comparative material; complete a significant piece of writing; report on the results of that research.

Additional Information: n/a

Text books: Specially prepared course materials.

Session contact hours delivery method
------------------ ------------- --------------- 
Spring 3 hrs Wollongong On Campus

LEGL950 Transnational Crime Prevention Research Project 8 cp

Pre-requisites: 24 credit points of LEGL subjects
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: 5,000 word essay

Subject Description: This subject permits the inclusion in the Master of Transnational Crime Prevention (MTCP) program of an in depth 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.

Subject Objectives: On successful completion of this subject, a student will be able to: demonstrate an understanding of a specialist topic relevant to transnational crime prevention; identify relevant policy and rules for addressing the selected topic in the context of international cooperation; analyse the strengths and weaknesses of the relevant regulatory regimes; develop potential future directions for crime prevention; conduct independent research under the supervision of the visiting expert, drawing on a range of international and comparative data and information.

Additional Information: n/a

Text books: Specially prepared course materials.

Session contact hours delivery method
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Spring n/a Wollongong On Campus

LEGL951 Special Studies in Transnational Crime and Prevention 8 cp

Pre-requisites: 24 credit points of LEGL subjects
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: n/a

Subject Description: This subject permits the inclusion in the Master of Transnational Crime Prevention (MTCP) program of an in depth 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.

Subject Objectives: On successful completion of this subject, a student will be able to: demonstrate an understanding of a specialist topic relevant to transnational crime prevention; identify relevant policy and rules for addressing the selected topic in the context of international cooperation; analyse the strengths and weaknesses of the relevant regulatory regimes; develop potential future directions for crime prevention; conduct independent research under the supervision of the visiting expert, drawing on a range of international and comparative data and information.

Additional Information: n/a

Text books: Specially prepared course materials.
material, reporting on the results of the research in a significant piece of
writing.

Additional Information: n/a
Text books: Specially prepared course materials.

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**LLB 843  Professional Practice  8 cp**

Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB844, LLB845 & LLB 846
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: An introductory program which will provide frameworks, foundations and strategies for the other Practice Subjects of the course. The subject contains four modules: Professional Responsibility and Competent Practice; Problem Solving; Writing and Drafting; Professional Experience Program. Students attend on-campus for the first week of the Course, 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.

Subject Objectives: n/a
Additional Information: All applications are subject to Faculty approval.

Text books: Specially prepared course materials.

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**LLB 844  Practice Management  8 cp**

Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB843, LLB845 & LLB846
Restrictions: n/a
Exclusions: n/a
Assessment: Not available

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 two inter-related modules: Trust and Office Accounting; and Law Office Management.

Subject Objectives: n/a
Additional Information: All applications are subject to Faculty approval.

Text books: Specially prepared course materials.

**Session** | **contact** | **campus** | **delivery**
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| Spring | Flexible delivery through a combination of off-campus and on-campus activities | Wollongong | On Campus |

**LLB 845  Conducting Litigation  16 cp**

Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB843, LLB844 & LLB846
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The subject is organised in six modules involving a combination of workshops, self-directed learning, assignments, Court visits, and interactive legal files: Litigation Strategy Workshop; Civil Litigation Practice; Civil Advocacy; Administrative Law Practice, Criminal Law Practice and Advocacy, Finance Law Practice and Advocacy.

Subject Objectives: n/a
Additional Information: All applications are subject to Faculty approval.

Text books: Specially prepared course materials.

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**LLB 846  Commercial and Property Practice  16 cp**

Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB843, LLB844 & LLB845
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The subject is delivered in 8 modules: Commercial Planning; Revenue Implications; Real Property Transactions; Commercial Contracts; Small Business Practice; Trusts, Wills and Estate Planning; Probate and Estate Administration; Commercial Litigation. It involves a combination of workshops, seminars, an auction report, workbook exercises, assignments, and conduct of a legal file. 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.

Subject Objectives: n/a
Additional Information: All applications are subject to Faculty approval.
**LLB 911 Introduction to Natural Resources Law**  
8 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  

**Subject Description:** Ownership of natural resources; the implications of the Commonwealth/State division of legislative powers for natural resources regulation; the historical development and structure of natural resources law; overlaps between regulatory authorities; forward planning and development control; environmental impact assessment law; the law relating to pollution and waste disposal.

**Subject Objectives:** At the end of the subject students will be able to appreciate (among other things) Australian environmental management from a historical perspective; understand relevant concepts in relation to ownership of natural resources and the implications for resource management; explain the formal constitutional division of power between the Commonwealth and State Parliaments in relation to the management of natural resources; understand the way in which the environmental planning system regulates access to natural resources and interacts with more specific regulatory regimes.

**Additional Information:** n/a

**Text books:** Specially prepared course materials.

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Autumn | Flexible delivery through a combination of off-campus and on-campus activities. | Wollongong | On Campus

**LLB 918 Law of Land and Nature Conservation**  
8 cp

**Pre-requisites:** LLB9100  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** Selection from assignments, class participation, examination and research essay.

**Subject Description:** The law relating to the use and conservation of native vegetation, including special conservation areas, forestry in State forests and on privately owned land, agricultural land clearing, the law relating to the protection and exploitation of native fauna, including habitat conservation, regulation of commercial exploitation and endangered species legislation. The law relating to land degradation.

**Subject Objectives:** The objective of this subject is to conduct an in-depth study of law and policy relating to the conservation of nature, and the interrelationship which this area of the law has with law and policy relating to the conservation of the land resource.

**Additional Information:** This subject is offered on a mixed mode basis with a one week residential face to face teaching component.

**Text books:** n/a

**Session** | contact hours | campus | delivery method
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**LLB 919 Water Resources Law**  
8 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  
**Subject Description:** n/a  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a

**Session** | contact hours | campus | delivery method
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Spring | Flexible delivery through a combination of off-campus and on-campus activities. | Wollongong | On Campus

**LLB 920 Local Government and Natural Resources**  
8 cp

**Pre-requisites:** LLB910 and LLB911  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** A selection from assignments, class participation, examination and research essay.

**Subject Description:** The development of local government in Australia. The law relating to the constitution, functions and powers of local government in terms of the ability of local government to control the development and conservation of natural resources. Relations between local and higher levels of Government. The law relating to environmental planning and assessment by local government authorities.

**Subject Objectives:** To critically analyse the place of Local Government in the Australian federal system, with particular emphasis on environmental administration, to understand the mechanics of the Local Government Act 1993 (NSW); to explain the detailed features of the Local Government Act 1993 (NSW) in terms of obligations imposed on councils in relation to environmental management, including the provisions concerning management plans, state of the environment reports and management of community lands; to understand the implications for Local Government of recent changes to Part 4 Environmental Planning and Assessment Act 1979 (NSW); to understand the dual approvals system under the Local Government Act 1993 (NSW) and the Environmental Planning and Assessment Act 1979 (NSW), and appreciate opportunities for procedural reform.

**Additional Information:** n/a

**Text books:** n/a

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Spring | Flexible delivery through a combination of off-campus and on-campus activities. | Wollongong | On Campus
### LLB 950 Foreign Investment Law in the People's Republic of China 8 cp

**Pre-requisites:** Refer to Faculty  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** Class participation, negotiation group work, examination.  
**Subject Description:** An analysis of the law and procedures regulating foreign investment in, and trade with, the PRC. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation, customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.  
**Subject Objectives:** At the end of the course a student will be expected to be able to: Demonstrate an understanding of the overall legal system in the People's Republic of China as would affect business transactions with foreign investors; Assess the legal issues relevant to a foreign investor doing business in the People's Republic of China; Identify the Chinese legislation relevant to the business transactions being negotiated; Negotiate the terms of a contract relevant to a business transaction between a Chinese national and a foreign investor; Draft a contract in accordance with the terms negotiated and in accordance with the laws of the People's Republic of China.  
**Additional Information:** This subject is run over 5 intensive days.  
**Text books:** Spiegel, Rogers, Buckley  
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### LLB8395 Legal Research and Writing 2 cp

**Pre-requisites:** n/a  
**Co-requisites:** LAW 810  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** Court Research plan/Report, Research projects and essay.  
**Subject Description:** An introduction to the location and use of primary legal materials, including the use of computers in retrieving legal material; observation of legal practice in courts and elsewhere; analysis of legal documents; development of clear, concise and simple styles of presenting ideas and arguments in writing; citation of legal materials.  
**Subject Objectives:** At the conclusion of this subject, students should be able to: analyze a legal problem and develop a research plan for it; undertake research involving primary sources, including: case law, statutes, regulations, other government publications; undertake research involving secondary sources, including: journals, texts, digests and encyclopaedias, and non-legal materials; understand and evaluate various approaches to legal writing; write and edit effectively; provide accurate citations and references.  
**Additional Information:** n/a  
**Text books:** Subject Outline and attached material as well as the Law Library Workbook  
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### LLB9100 Introduction to Legal Systems 8 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** To be advised  
**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 illustrated by introducing general principles.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** To be advised  
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### LLB9210 Law of Contracts 8 cp

**Pre-requisites:** LLB9100  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** class participation, 2 assignments, final examination  
**Subject Description:** The development of the modern law of contracts illustrating how scholars and lawyers have derived general principles of law from decisions about specific relationships; express and implied contracts, formation of contracts; capacity to make contracts; the doctrine of privity of contract and statutory modifications; contractual terms and conditions; performance and breach; capacity to make contracts.  
**Subject Objectives:** At the end of the course a student will be expected to have acquired a good knowledge of the principles of contract law; to be able to identify the sources of contract law, and the relevant legal principles to apply to a given problem; to be able to apply those legal principles to the analysis of complex hypothetical problems; to be able to critically evaluate those principles and any need for reform.  
**Additional Information:** Recommended references are listed in the subject outline  
**Text books:** To be advised  
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### LLB9222 Perspectives on Law 8 cp

**Pre-requisites:** None  
**Co-requisites:** LLB9100  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** assignments and a reflective journal  
**Subject Description:** As its title suggests, this is a subject about law rather than a subject on the law itself. A basic theme of the subject is the underlying tension between law as an abstract medium of scholarship and the way it operates in real life. A wide variety of theoretical tools will be presented to help students make sense of the differences between law in books and law in action.  
**Subject Objectives:** On completion of the course, students will be expected to: appreciate the different modes of inquiry of law and disciplines examining law; understand aspects of the relationship between customary law and common law; appreciate the impact of law on aspects of everyday life; appreciate issues in the application of law, both civil and criminal, including issues of police discretion and the transformation of disputes; understand alternative explanations of the emergence and reform of laws; appreciate the application of the notion of jurisprudence, including the applicability of legal regimes and judicial authority; understand aspects of the legal uses of linguistic devices including narrative; understand the legal transformation of facts and norms.  
**Additional Information:** LLB9222 Perspectives on Law and LLB9210 Law of Contracts will be taught in an integrated way, so that the material introduced in one subject will be used for different learning objectives in the other.  
**Text books:** To be advised  
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### LLB9300 Remedies and Procedure 8 cp

**Pre-requisites:** LLB9350 or LLB9307  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
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### LLB9301 Evidence 8 cp

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**Pre-requisites:** LLB9210  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** class participation, research essay, final examination  
**Subject Description:** The legal rules relating to the admissibility of evidence to prove facts in civil and criminal trials; comparison and analysis of the adversarial system of justice and the inquisitorial system.  
**Subject Objectives:** At the end of the course a student will be expected to be able to identify and apply the basic concepts of the rules of evidence; discuss whether the rules are necessary; evaluate whether the rules should be flexible and discretionary or rigid and predictable; assess the effectiveness of the rules and decide if they are applied fairly; relate the common law to the Evidence Act 1995 (Cth) and Evidence Act 1995 (NSW) where appropriate.  
**Additional Information:** n/a  
**Text books:** To be advised.

### LLB9302 Law of Business Organisations 8 cp

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**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** Research project; class participation, case analysis and examination.  
**Subject Description:** The notion of legal personality; the legal rules relating to formation, operation and liability of business associations, such as partnerships, cooperatives and companies.  
**Subject Objectives:** By the conclusion of the subject a student should be able to 1. Evaluate the suitability of different forms of business organisation for different purposes; 2. Evaluate corporate law and regulation having regard to its primary purpose of facilitating economic activity in modern society; 3. Analyse, argue, and solve problems in the subject area using legal methodology including reference to legislation, cases and public policy.  
**Additional Information:** n/a  
**Text books:** HAJ Ford and RP Austin

### LLB9303 Family, Children and Welfare 8 cp

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**Pre-requisites:** LLB9100  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** class participation, essay, group assessment, final examination.  
**Subject Description:** The effect of law on social groupings; the notion of the family in Australia, and the legal regulation of family relationships within and outside formal marriage; marriage, divorce and the legal regulation of de facto relationships; rights of children and the aged, including maintenance and shelter; custody, adoption, marital property.  
**Subject Objectives:** To provide a framework for students to use in the study of family law; to assist students to identify significant issues within the subject area; to provide reading materials and guidance in their use in significant areas within the subject; to assist students to develop skills of critical analysis in the subject area.  
**Additional Information:** n/a  
**Text books:** To be advised.

### LLB9304 Criminal Law and the Process of Justice 8 cp

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**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** class participation, essay and final examination  
**Subject Description:** This subject comprises an introduction to the general principles of criminal liability, with reference to the major categories of offences and selected defences; a study of criminal procedure, including pre-trial procedure and the trial process.  
**Subject Objectives:** A student who has completed this subject successfully will; 1. understand the elements of a selection of criminal offences, including public order offences, drug offences, homicide, and theft, and be able to apply them to hypothetical fact situations, 2. appreciate how different criminal laws have changed over time, 3. be able to identify the particular attributes of criminal law as a form of social regulation and compare it with other forms of regulation, 4. be able to examine the extent to which the versions of criminal law practised by you, as citizens, as well as by law enforcement agencies, juries and trial judges conform with that propagated by the appeal courts, 5. appreciate the significance of statistical information on offences and how they are processed, 6. develop ideas relating to reform of the criminal law in and attempt to adapt it to the contours of specific problems.  
**Additional Information:** n/a  
**Text books:** To be advised.

### LLB9305 Law of Property A 8 cp

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**Pre-requisites:** LLB9210  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** Assignment and final examination  
**Subject Description:** Consideration of the notion of property and interests in property; the distinctions between real, personal and intangible property; legal and equitable interests in property and the notion of title; the notion of ownership; legal protection of property interests. The relationship of landlord and tenant; easements and covenants.  
**Subject Objectives:** At the end of the course a student should be able to, demonstrate knowledge of the legal doctrine applicable to the ownership of interests in real and personal property, apply these
doctrinal elements to solve problems concerning conflicting property claims and the acquisition of property rights, critically evaluate the legal doctrines applicable to Australian property law and identify potential areas of legal reform, discuss the role of property in Australian society and critically evaluate that role, demonstrate awareness of the responsibilities of the lawyer involved with matters concerning property law.

Additional Information: n/a

Text books: To be advised.

Session  contact  campus  delivery  method
Autumn  2S  Wollongong  On Campus

LLB9306  Law of Property B  8 cp

Pre-requisites: LLB9305
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Class participation; assignment and final examination

Subject Description: The modern law of real property, including the Torrens system of registration of title to land; trusts and the powers and obligations of trustees; introduction to the idea of mortgagee and other security interests in property; succession to title by will and on intestacy; introduction to legal drafting in a property law context.

Subject Objectives: At the conclusion of this subject, students should be able to: demonstrate knowledge of the legal doctrine applicable to the ownership of interests in real and personal property, apply these doctrinal elements to solve problems concerning conflicting property claims and the acquisition of property rights, critically evaluate the legal doctrine applicable to Australian property law and identify potential areas for legal reform, discuss the role of property in Australian society and critically evaluate that role, and demonstrate awareness of the responsibilities of the lawyer involved with matters concerning property law, and draft basic documents relevant to property transactions.

Additional Information: n/a

Text books: To be advised.

Session  contact  campus  delivery  method
Spring  3S  Wollongong  On Campus

LLB9307  Law of Torts  8 cp

Pre-requisites: LLB9100
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: class participation, case study 1 and case study 2, seminar presentation and examination

Subject Description: Introduction to the law of civil wrongs, its aims, operation and relationship to other societal mechanisms of compensation. Topics include negligence; international torts; nuisance. The focus will be the development of the common law and the operation of public policy granting relief in a variety of tort actions. Students will work individually and in groups.

Subject Objectives: Explain the roles and functions of the law of torts; differentiate between different types of torts, particularly in terms of the relevant fault component; demonstrate an understanding of the different components of a negligence action; discuss and evaluate the contemporary relevance of the torts of trespass and nuisance; explain the significance of a case, or series of cases, in a concise manner; assess the adequacy of existing legal principles as a means of compensating for a range of economic and non-economic losses; evaluate arguments about the effectiveness of tort law; analyse a hypothetical fact situation, and identify legal issues involving the law of torts; formulate and present oral and written arguments, drawing on relevant precedent and policy consideration.

Additional Information: n/a

Text books: To be advised.

Session  contact  campus  delivery  method
Autumn  2L, 2S  Wollongong  On Campus

LLB9308  Public Law A  8 cp

Pre-requisites: LLB9100
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: Class participation, essay, examination.

Subject Description: The notion of the state and state power; limitations on state power; the notions of constitutional and federalism; the constitutional structure of the Australian nation-state; the notion of division and separation of powers; mechanisms of accountability and control of government officials, including access to government information, the Ombudsman and review tribunals and judicial review.

Subject Objectives: At the conclusion of the subject students should be able to: describe the powers and functions of the three arms of government in Australia - the legislature, the executive and the judiciary, describe the relationships between the three arms of government with reference to the concepts of responsible government, the separation of powers, representative government, judicial review and federalism; describe the procedures available for obtaining access to information about government, and seeking review of administrative decisions internally, by Ombudsmen, by tribunals and the courts; assess the applicability of these procedures in given fact situations and evaluate the suitability of different procedures for performing these functions; describe and evaluate existing legal constraints on the operations of executive government at all levels in Australia.

Additional Information: n/a

Text books: To be advised.

Session  contact  campus  delivery  method
Autumn  3S  Wollongong  On Campus

LLB9309  Public Law B  8 cp

Pre-requisites: LLB9308
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: seminar presentation, research essay, examination

Subject Description: Division of power between Commonwealth and State legislatures; the structure and powers of State and Commonwealth Governments, with special emphasis on the limitation of the power of the Commonwealth parliament; the place of the judiciary and judicial review of legislative and executive power; funding the operations of Commonwealth and State Governments.

Subject Objectives: The aims of this subject are to enable students to develop an understanding of the concept of federation and its operation in Australia, including: a) the theory of the division of powers between the Commonwealth and the States; b) the federal legal framework and the scope of Commonwealth powers under the Australian Constitution; c) the system of judicial review of legislative action and the political and legal position of the High Court of Australia; d) the practical operation of the federal system; e) the process of constitutional change.

Additional Information: n/a

Text books: To be advised.

Session  contact  campus  delivery  method
Spring  3S  Wollongong  On Campus

LLB9312  Legal Theory  8 cp

Pre-requisites: LLB9100
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a

Assessment: class participation, assignment, research essay

Subject Description: An advanced examination of the theoretical dimensions of law. It may be possible for students to fulfil the requirements of this subject by completing certain subjects offered in other parts of the University and approved from time to time by the Faculty.

Subject Objectives: n/a

Additional Information: n/a
**LLB9320 Commercial and Consumer Contracts**

8 cp

**Pre-requisites:** LLB9210
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** Class participation, assignment and examination

**Subject Description:** The special rules relating to common commercial contracts, such as contracts of agency, contracts for the sale of goods, insurance contracts, and contracts of carriage; statutory restrictions on contracts.

**Subject Objectives:** At the end of the course a student will be expected to:
- explain and describe commercial and consumer transactions as they occur in the real world of business; evaluate the basic concepts in the law relating to commercial and consumer transactions; recognise that commercial law is more than just a body of legal rules and that the real test of commercial law is to be found in what actually happens in commercial practice; explain the relevant commercial and legal principles as they relate to real situations through an understanding and application of relevant commercial transactions.

**Additional Information:** n/a

**Text books:** To be advised.

**Session** | contact hours | campus | delivery method | 
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Spring | 35 | Wollongong | On Campus |

**LLB9321 Finance and Security**

8 cp

**Pre-requisites:** LLB9210
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** class participation, assignment, examination

**Subject Description:** The law relating to payments, commercial and consumer credit and security, bankruptcy and insolvency.

**Subject Objectives:** At the end of the course the student will be expected to:
- be able to explain and discuss the importance of financial institutions in this country and overseas; identify the legal relationships, rights and duties relating to business finance as they occur in the real world of commerce; evaluate and explain the importance of the financial system, its banking framework and the implications of these for commercial life in Australia; assess and explain the legal relationships between financial institutions and their customers including inter alia an examination of the law relating to cheques, bills of exchange and other negotiable instruments as well as general financial issues concerning securities; discuss and explain the relevance of financing at the international level, and funding from offshore sources by means of Euromoney, Eurobonds, Foreign Bonds and other marketable instruments.

**Additional Information:** n/a

**Text books:** To be advised.

**Session** | contact hours | campus | delivery method | 
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Spring | 35 | Wollongong | On Campus |

**LLB9330 Law of Employment**

8 cp

**Pre-requisites:** LLB9210
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** class participation, assignment, essay/project and examination

**Subject Description:** The rights and duties of individual employers and employees under common law and selected legislation, including formation, content and termination of the contract of employment; implied duties of employers and employees; remedies at common law; unfair dismissal legislation; anti-discrimination law; unfair work contracts; occupational health and safety.

**Subject Objectives:** At the end of the subject a student will be expected to:
- explain the general legal principles governing individual relations between employers and employees under both common law and selected statutory modifications; evaluate the law of employment in terms of its context, interests, assumptions and limitations; apply the principles of the law of employment of factual problems; analyse current issues in the law of employment and assess their significance.

**Additional Information:** n/a

**Text books:** To be advised.

**Session** | contact hours | campus | delivery method | 
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Spring | 35 | Wollongong | On Campus |

**LLB9331 Intellectual Property Law**

8 cp

**Pre-requisites:** LLB9100
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** class participation, tutorial presentation, research essay, take-home examination

**Subject Description:** An introduction to intellectual property law exploring the legislative regimes of copyright, designs, patents and trademarks, the protection of confidential information and business reputation.

**Subject Objectives:** By the end of the subject a student should be able to:
- describe the nature and scope of intellectual property law in Australia including international obligations and proposed reforms; identify the requirements for protection of intellectual property rights under statute and common law; outline and evaluate the policies underlying intellectual property protection; develop strategies to problem solve and resolve legal disputes involving intellectual property rights; identify the application of intellectual property rights in commercial planning and management.

**Additional Information:** n/a

**Text books:** To be advised.

**Session** | contact hours | campus | delivery method | 
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Autumn | 2, 25 | Wollongong | On Campus |

**LLB9332 Labour Relations Law**

8 cp

**Pre-requisites:** LLB9210
**Co-requisites:** n/a
**Restrictions:** n/a
**Exclusions:** n/a

**Assessment:** class participation, essay, take-home examination

**Subject Description:** The legal regulation of collective relations between employers and employees under the Workplace Relations Act 1996 (Cth) and the Industrial Relations Act 1996 (NSW). Topics include: constitutional requirements; parties to an industrial dispute; powers of industrial tribunals (including natural justice); processes of award making and variation; collective bargaining and certified agreements; Australian Workplace Agreements; legal regulation of trade unions; liability for industrial action.

**Subject Objectives:** By the successful completion of this subject, students will be able to:
- explain the major current principles governing the legal regulation of collective relations between employers and employees, evaluate the structure, functions, interests, operation and limitations of legal aspects of the industrial relations system and processes, demonstrate familiarity with the main provisions of the Workplace Relations Act 1996 (Cth) as amended, and other relevant major legislation, analyse and interpret industrial decisions, awards and agreements from a legal perspective, analyse current issues in labour relations law and assess their significance.

**Additional Information:** n/a

**Text books:** To be advised.

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Subject Descriptions

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**LLB9334 Environmental Law** 8 cp

- **Pre-requisites:** LLB9100
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Text books:** To be advised
- **Session**
  - **Autumn**
    - **Contact**
      - Flexible delivery
    - **Campus**
      - Wollongong On Campus delivery

**Subject Description:** Legal and policy issues of environmental protection, resource utility and management.

- **Subject Objectives:** After completing this subject, a student will be expected to have, among others: 1. a critical appreciation of the general anthropocentric and fragmented nature of environmental law; 2. an understanding of the basic principles of international environmental law and their implications for environmental law in Australia; 3. an understanding of the division of environmental responsibilities between various levels of government in Australia, together with an appreciation of opportunities and constraints for closer integration of environmental decision making within the Federal system; 4. a critical appreciation of current directions in Commonwealth environmental law.

- **Additional Information:** n/a

**LLB9335 Anti-Discrimination Law** 8 cp

- **Pre-requisites:** LLB9100
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** essay/research project, session journal, class participation, examination
- **Subject Description:** An analysis and appraisal of the laws prohibiting various forms of discrimination in Australia on specified grounds, including sex, race, disability, age and sexual preference. An assessment of laws prohibiting various forms of harassment and vilification. The role, powers and functions of Federal and State Institutions established to investigate and adjudicate complaints about unlawful discrimination. The concepts of equal opportunity and affirmative action, including programs and policies. International and comparative perspectives on discrimination.

- **Subject Objectives:** On successful completion of this subject students will be able to identify and describe the discrimination issues explicit or implicit in any given situation; critically evaluate the effectiveness of anti-discrimination laws in relation to each of the various target groups; identify and describe obstacles to the effective implementation of anti-discrimination laws in Australia; identify and describe proposals for reform of anti-discrimination laws in Australia; explain, describe and critically evaluate the effectiveness of the regulatory mechanisms currently used for the implementation of anti-discrimination laws in Australia; explain and describe the effects of anti-discrimination laws on the business community; explain and describe the effects of anti-discrimination laws on the community as a whole.

- **Additional Information:** n/a

**LLB9336 Regulation of Business** 8 cp

- **Pre-requisites:** LLB9100
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** Class participation, assignment and research paper 4,000 words.

**Subject Description:** This course is concerned with the law controlling the sale and distribution of products and services, credit, restrictive trade practices and other aspects of the commercial environment. It examines the relationship between producers and consumers, and the legal and social consequences of that relationship. It will cover the consumer protection statutes, the sale of goods and services, trade practices, the law of contracts, consumer protection legislation, competition law and consumer protection law.

- **Subject Objectives:** After completing this subject, a student will be able to: 1. identify and describe the basic structure and principles of the Civil Law; to learn something of the basic substantive law of the Civil Law in several key subject areas; 2. understand the general structure and functioning of the Common Law; 3. understand the relationship between the Modern and Common Law; 4. critically evaluate the effectiveness of the law regulating anti-competitive conduct and those regulating access to essential services.

- **Additional Information:** n/a

- **LLB9337 Comparative Studies in Law** 8 cp
- **Pre-requisites:** LLB9100
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** Research essay and final examination

**Subject Description:** A comparison of the French civil law with the common law of England and Australia, with the objective of developing an appreciation of different legal systems and approaches.

- **Subject Objectives:** The objectives of this course are to enable you to understand the basic structure and principles of the Civil Law; to understand the basic substantive law of the Civil Law in several key subject areas; to understand better the general structure and functioning of the Common Law; to understand the relationship between the Modern and Common Law; to critically evaluate the effectiveness of the law regulating anti-competitive conduct and those regulating access to essential services.

- **Additional Information:** n/a

- **LLB9338 International Trade Law** 8 cp
- **Pre-requisites:** A Law degree
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** Class participation, assignments, research papers or take home examination

**Subject Description:** Public and private law aspects of international trade and investment, including contracts, transport, insurance and the
settlement of international commercial disputes, the role of the World Trade Organisation, its regime of trade regulation and dispute resolution mechanisms, multilateral agreement on trade in services, and the financing of international transactions.

**Subject Objectives:** On completion of this subject, students are expected to have a satisfactory knowledge of international commerce, international investment, international sale and carriage of goods, insurance, general global trade and international financial institutions; understand the effect of the operation of international trade and investment liberalisation policies pursued by the world trading community; recognise the impact of trade investment induced economic growth and the advent of the World Trade Organisation's multilateral trading system, which is marking a new era in world trade, and appreciate that international trade and investment-related issues are closely aligned to the international financial system; identify changes in the financing of international commercial transactions, analyse the reasons for such change, and evaluate the law as a mechanism for regulating such transactions.

**Additional Information:** Additional objectives: understand and evaluate the settlement of international commercial disputes by the use of the World Trade Organisation dispute resolution mechanism; demonstrate an appreciation of international electronic commerce and the socio-ethical dynamics of international trade and investment.

**Text books:** n/a

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**LLB9341 Revenue Law** 8 cp

**Pre-requisites:** LLB9210

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** class presentation, written advice to clients involving 2 scenarios, class participation and assignment

**Subject Description:** Revenue Law, or taxation law, is one of the highly technical fields of law bringing together economic, accounting and financial concepts into a legal construct for the determination of how the costs of good government are to be shared among the members of society. Taxation pervades everyone's life in some way, whether in the form of income tax, for instance, or some form of consumption or other tax. LLB9341 is confined to the Income Tax Assessment Act (1936/97), the Fringe Benefits Tax Assessment Act and associated legislation. These fields alone provide more than enough content for a one-semester subject, but are essential for those students seeking registration as CPAs or Chartered Accountants after completing their degree.

**Subject Objectives:** At the end of the subject a student will be expected to be able to describe, explain and evaluate the policies behind the past present and future development of revenue law in Australia; analyse revenue law critically; explain and apply the fundamental principles of the law relating to income taxation, and the major provisions of the Commonwealth Income Tax Assessment Act 1936 and 1997; evaluate critically existing taxation laws and government policy and consider future developments in the function and application of taxation in Australian society; use taxation literature and source materials; communicate with others and work in teams.

**Additional Information:** n/a

**Text books:** n/a

**Session**

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**LLB9343 International Law** 8 cp

**Pre-requisites:** LLB9100

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** research essay and final examination

**Subject Description:** Sources of international law; the relationship between domestic law and international law; the law of treaties; the structure of the international legal system; statehood, state jurisdiction, state responsibility, nationality and refugees.

**Subject Objectives:** The objectives of this subject are to equip students to understand the nature of the international legal system; to understand the nature of international law, and to understand how international law is made and enforced; to understand the impact of international law on Australian municipal law and the relevance of international law for the practice of law in Australia.

**Additional Information:** n/a

**Text books:** To be advised.

**Session**

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**LLB9344 Indigenous Peoples and Legal Systems** 8 cp

**Pre-requisites:** LLB9100

**Co-requisites:** n/a

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** essays, class participation, research paper.

**Subject Description:** This subject is an introduction to the relationship between Indigenous and non-Indigenous laws and legal systems in Australia. It considers the nature and status of Aboriginal and Torres Strait Islander laws, and explores some of the specific legal issues of current relevance to Indigenous peoples in Australia. Topics include the impact of European colonisation, over-representation in the criminal justice system, land rights and native title, recognition of Aboriginal law, and self-determination.

**Subject Objectives:** Upon completion of the subject students will be able to identify aspects of the systems of social organisation and regulation which operate as part of the cultures of Indigenous peoples in Australia; demonstrate an understanding of the implications for Indigenous peoples of European settlement/invasion, colonialism, and post-colonialism, particularly in terms of impact on Indigenous legal systems and Indigenous sovereignty; analyse the claims of Indigenous peoples to continuing sovereignty and self-determination, and evaluate the resistance of Australian governments and courts to these claims.

**Additional Information:** n/a

**Text books:** To be advised.

**Session**

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**LLB9348 Media Law** 8 cp

**Pre-requisites:** ILB9100

**Co-requisites:** ILB9210

**Restrictions:** n/a

**Exclusions:** n/a

**Assessment:** research project, class tests, open book examination

**Subject Description:** An introduction to the law affecting information (in the broadest sense of the term) gathering and dissemination, and to the policies and philosophies informing the legal protection of and restrictions on freedom of speech.

**Subject Objectives:** By the end of the subject a student will be expected to be able to explain and critically evaluate the arguments for a right of freedom of expression, describe and explain the main areas of Australian law that restrict freedom of expression; critically evaluate law having regard to the arguments for and critique of the right of freedom of expression; apply the law to hypothetical situations likely to arise in the course of a journalist or editor's professional activities, in a manner that demonstrates both (i) the ability to select the legal principles likely to be relevant in a particular fact situation, and elaborate on how the principle/s might apply in that situation, (ii) problem solving skills that give maximum effect to "the public's right to know"; discuss the impact of the internet on media law and policy.

**Additional Information:** n/a

**Text books:** To be advised.

**Session**

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Subject Descriptions

LLB9349 Feminism and Law 8 cp
Pre-requisites: I.I.B9100
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Not available
Subject Description: This subject introduces the major themes in feminist thought and modes of contemporary feminist scholarship and applies them to law, legal institutions and the practice of law in Australia. It provides a foundation for future analysis of substantive and procedural law by students and subjects the institutions of law and their practitioners to scrutiny from a feminist perspective.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
n/a

LLB9350 Special Study in Law A 8 cp
Pre-requisites: I.I.B9210
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: not available.
Subject Description: A study in depth of selected area of law.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

LLB9351 Special Study in Law B 8 cp
Pre-requisites: I.I.B9210
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Not available.
Subject Description: A study in depth of a selected area of law.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring n/a Wollongong On Campus
Autumn n/a Wollongong On Campus

LLB9360 Foreign Investment Law in the People's Republic of China 8 cp
Pre-requisites: I.I.B9100
Co-requisites: I.I.B9210
Restrictions: n/a
Exclusions: n/a
Assessment: class participation, negotiation group work, examination
Subject Description: An analysis of the law and procedures regulating foreign investment in, and trade with, the PRC. This subject will examine those laws relating to: joint ventures and other forms of foreign investment; revenue and finance law including taxation, customs duties and exchange control; foreign trade including compensation trade, technology transfer and intellectual property; and dispute resolution.

Subject Objectives: At the end of the course a student will be expected to: demonstrate an understanding of the overall legal system in the People's Republic of China as would affect business transactions with foreign investors; Assess the legal issues relevant to a foreign investor doing business in the People's Republic of China; Identify the Chinese legislation relevant to the business transactions being negotiated; o Negotiate the terms of a contract relevant to a business transaction between a Chinese national and a foreign investor; Draft a contract in accordance with the terms negotiated and in accordance with the laws of the People's Republic of China.

Additional Information: This subject is run over 5 intensive days.
Text books: To be advised.
Session contact campus delivery hours method
n/a

LLB9362 Advanced Revenue Law 8 cp
Pre-requisites: I.I.B9341
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: class participation, assignments (including minimum 40% research assignment), examination.
Subject Description: Advanced aspects of taxation law and an examination of other taxes including sales tax, stamp duty and payroll tax.
Subject Objectives: At the end of the course a student will be expected to: evaluate critically existing taxation laws and government policy and consider future developments in the function and application of taxation in Australian society; use taxation literature and sources materials to solve practical problems; communicate with students and work in teams.

Additional Information: Five day intensive subject.
Text books: To be advised.
Session contact campus delivery hours method
n/a

LLB9395 Legal Research and Writing 2 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Court Research plan/Report; Research projects and essay.
Subject Description: An introduction to the location and use of primary legal materials, including the use of computers in retrieving legal material; observation of legal practice in courts and elsewhere; analysis of legal documents; development of clear, concise and simple styles of presenting ideas and arguments in writing; citation of legal materials.
Subject Objectives: At the conclusion of this subject, students should be able to: analyse a legal problem and develop a research plan for it; undertake research involving primary sources, including: case law, statutes, regulations, other government publications; undertake research involving secondary sources, including: journals, texts, digests and encyclopedias, and non-legal materials; understand and evaluate various approaches to legal writing; write and edit effectively; provide accurate citations and references.

Additional Information: n/a
Text books: Subject Outline and attached material as well as the Law Library Workbook
Session contact campus delivery hours method
n/a

Autumn n/a Wollongong On Campus
The Faculty of Science offers Postgraduate qualifications within its four academic units:

**Biological Sciences**

**Chemistry**

**Environmental Science**

**Geosciences**

**Biological Sciences**

**Courses Offered**

The following courses are available:

- Doctor of Philosophy
- Honours Master of Science by Research
- Honours Master of Science in Biotechnology
- Master of Science (Biological Sciences)
- Master of Science (Biotechnology)
- Master of Science (Forest Conservation and Management)
- Graduate Diploma in Science (Biological Sciences)
- Graduate Certificate in Forest Conservation and Management

**Current Research Areas**

The following areas of research are available to candidates undertaking the Doctor of Philosophy and the Honours Master of Science:

**Animal physiology**
- Environmental physiology of higher vertebrates
- Metabolic physiology and thermoregulation
- Thyroid and adrenal function in higher vertebrates
- Ecological energetics
- Evolution of endothermy
- Physiological development in birds and marsupials
- Dietary fats and their effects on body function

**Plant biochemistry**
- Photosynthesis: studies on the carbon fixing enzyme rubisco, and its activation
- Turgor-volume regulation: regulation of glycerol synthesis by osmotic pressure in the salinity-resistant alga Dunaliella
- DNA amplification and analysis: application of molecular biology techniques to species identification in algae
- Bioluminescence: applications to enzyme mechanisms and analysis

**Cell and cancer biology**
- Cyto protective mechanisms of clusterin, a novel extra-cellular heat shock protein
- Mechanisms of mitocondrial control of apoptosis
- Targeted alpha therapy of cancer metastasis
- The role of the plasminogen activation system in breast cancer invasion

**Immunobiology and vaccine development**
- Mechanism of somatic hypermutation in antibody variable region genes
- Mechanisms of rapid 'directional' molecular evolution
- Mechanism of acquired paternal transmission in mice
- Mechanisms of adjuvant action
- Development of recombinant vaccines against the human pathogen, Streptococcus pyogenes
- Development of recombinant vaccines against the whooping cough bacteria, Bordetella pertussis
- Molecular and genetic analysis of Bordetella bronchiseptica
- Development of recombinant oral and intranasal vaccine delivery systems for the stimulation of immunity against veterinary pathogens
- Development of techniques to enhance the sensitivity of immunoassays

**Ecology and population genetics**
- Mating systems and population genetics of native plants
- Pollination systems of native plants
- Responses of plant and animal populations to bushfires
- Impact of herbivores on plant communities
- Plant succession and recolonization of disturbed land
- Seed and fruit dispersal by animals
- Avian ecology
- Invertebrate biodiversity
- Conservation biology

**Marine ecology and genetics**
- Evolutionary consequences of varying patterns of reproduction and dispersal
- Chemical ecology: the relative importance of natural products as mediators of interactions between organisms, particularly compounds that play a role in preventing fouling of marine invertebrates
- Larval ecology and behaviour: pelagic and early benthic stages as determinants of subsequent patterns of invertebrate distribution and abundance
Self-recognition and aggressive interactions in marine invertebrates

Doctor of Philosophy

PhD candidates undertake in-depth research in order to make an original contribution to the body of knowledge in Biological Sciences. This qualification can lead to, or enhance, an academic career.

Entry requirements

Honours degree of at least four years' duration in a relevant discipline at Class II, Division 2 or higher (or equivalent). Students wishing to enter this degree with qualifications below this standard will normally be required to successfully complete up to 48 credit points of coursework.

Candidates for this degree enroll in BIOL999 (Major Thesis) and undertake a research project in one of the areas listed above. Intending students should first contact the Postgraduate Coordinator in the Department of Biological Sciences (Dr Bill Buttemer).

Honours Master of Science

The objective of this degree is to provide a grounding in experimental biological research. Graduates entering the degree who hold a Bachelor degree with Honours at a standard of Class II, Division 2 or higher are required to complete the 48 credit point BIOL999 Major Thesis.

Students entering the degree with qualifications below Honours Class II, Division 2 must complete subjects which aggregate to not less than 96 credit points. These will consist of at least 48 credit points including, normally, BIOL910 Advanced Topics in Biology A and BIOL911 Advanced Topics in Biology B, plus at least 16 credit points from 300-level Biology subjects specified by the Postgraduate Coordinator. The remaining 48 credit points will be obtained by completing the subject BIOL999 Major Thesis.

Honours Master of Science (Biotechnology)

This program will cover the latest theory and procedures in Cellular and Molecular Biology and their application to Biotechnology. A specific research project in some aspect of Biotechnology is required. This degree is recommended for those students who wish to follow a career in research.

Entry into the course normally requires a Bachelor degree with Honours at a standard of Class II, Division 2 or above, in an appropriate discipline, or a Master of Science (Biotechnology) completed at an appropriate standard.

The Honours Master of Science (Biotechnology) is a research-based degree, examined principally by thesis.

For further information, consult research interests of particular staff members and contact the Co-ordinator of Biotechnology.

Master of Science (Biological Sciences)

The Master of Science (Biological Sciences) is designed for applicants in education and industry who seek further knowledge and skills in biological sciences or who seek to qualify for a postgraduate research degree.

Entry into the degree requires a 3-year degree in biological life sciences or other relevant discipline from an accredited tertiary institution plus demonstrated proficiency in English.

Candidates for the Master of Science (Biological Sciences) will undertake the following:

BIOL910 Advanced Topics in Biology A
BIOL911 Advanced Topics in Biology B

Plus at least 16 credit points chosen from the following:

BIOL951 Research Techniques in Conservation
BIOL917 Aquatic and Environmental Toxicology
ENVI911 Directed Studies in Ecology
GIS90945 Remote Sensing of the Environment
GIS90946 Geographic Information Systems
GIS91047 Australian Prehistory

Or other subjects as approved by Heads of relevant Academic Units.

Master of Science (Biotechnology)

(This is a fee-paying course only)

The Master of Science (Biotechnology) will produce graduates with up-to-date knowledge and technological expertise in specific areas of Cell and Molecular Biology, which are the basis for modern biotechnological research and development. Coursework to a value of at least 48 credit points is required.

Entry into the course normally requires a Bachelor degree with Honours at a standard of Class II, Division 2 or above in an appropriate discipline, or an appropriate Graduate Diploma in Science (Biological Sciences) completed at a satisfactory standard.

Candidates for the Master of Science (Biotechnology) will undertake the following:

BIOL910 Advanced Topics in Biology A: Literature Research Project
BIOL918 Bioinformatics and Diagnostic Biotechnology
BIOL920 Biotechnology: Cells, Proteins and Antibodies
BIOL921 Biotechnology: Nucleic Acids

Co-ordinator: Dr Ren Zhang

Master of Science (Forest Conservation and Management)

(This is a fee-paying course only)

This Masters program includes the Graduate Certificate in Forest Conservation and Management (32 credit points) plus a major project which is examined by thesis.

Students who have already completed the Graduate Certificate may convert this qualification to the Master of Science (Forest Conservation and Management) by completing the research project and thesis. Entry into the course normally requires a Bachelor degree with Honours at a standard of 336
Class II, Division 2 or above in an appropriate discipline, or an appropriate Graduate Diploma in Science (Biological Sciences) completed at a satisfactory standard.

Candidates for the Master of Science (Forest Conservation and Management) must undertake the 32 credit points set out under the Graduate Certificate of Forest Conservation and Management plus:

BIOL995 Forest Management Research Project

**Graduate Diploma in Science (Biological Sciences)**

The purpose of the Graduate Diploma (Biological Sciences) is to provide graduates who have insufficient background in parts of Biological Sciences with the skills and knowledge necessary to enable them to proceed with further study.

Successful completion of appropriate subjects with a value of at least 48 credit points is required, the subjects being chosen from the undergraduate science schedule. At least 24 credit points must be from 300-level or 400-level Biology subjects.

Candidates for the Graduate Diploma in Science (Biological Sciences) will undertake at least 48 credit points, including:

- BIOL320 Molecular Cell Biology
- BIOL321 Cellular and Molecular Immunology
- CHEM320 Biological Chemistry
- STAT252 Statistics for the Natural Sciences
- BIOL303 Biotechnology: Applied Molecular and Cell Biology
- MGMT308 Introduction to Management for Professionals A

The selection of subjects will be approved by the Postgraduate Coordinator.

**Graduate Certificate in Forest Conservation and Management**

(This is a fee-paying course only)

The Graduate Certificate is a 32 credit point program which provides candidates with the concepts and techniques of conservation ecology that are fundamental to effective forest management. The course is offered in two modules, BIOL951 Research Techniques in Conservation and a study tour, BIOL952 Sustainable Forest Management which integrates theory with field work in a range of locations in eastern Australia.

This Graduate Certificate articulates to a Master of Science (Forest Conservation and Management).

Entry to the course requires an undergraduate degree in a relevant area of Science (including forestry and agriculture) or a similar tertiary qualification with relevant work experience.

**CHEMISTRY**

**Courses Offered**

The following postgraduate courses are available:
- Doctor of Philosophy
- Honours Master of Science (Chemistry) by Research
- Honours Master of Science (Medicinal Chemistry) by Research and Coursework
- Master of Science (Chemistry)
- Master of Science (Medicinal Chemistry)
- Graduate Diploma in Science

**Current Research Areas**

The following areas of research are available to candidates undertaking the Honours Master of Science degree by research and the Doctor of Philosophy degree:
- Synthetic Organic/Heterocyclic and Medicinal Chemistry
- Bio-Active Natural Products
- NMR Studies of Peptides and Proteins
- Atmospheric Chemistry
- Atmospheric FTIR Spectroscopy
- Medicinal Chemistry and Organic Synthetic Methodology
- Use of Chiral Conducting Polymers and Organometallic Reagents in Asymmetric Synthesis
- Analytical/Environmental Chemistry
- Model Compounds of Metalloproteins
- Physical Chemistry and Food Chemistry
- Asymmetric Synthesis of Bioactive Molecules and Pharmaceuticals
- Inorganic Chemistry Research
- Mass spectrometry to biological molecules
- Cataract: Lens Biochemistry and Post-Translational Protein Modification
- Intelligent Polymer Research
- Ultraviolet Radiation
- Chemical Education Studies

**Doctor of Philosophy**

Students complete a major thesis and undertake a research project arranged in consultation with the appropriate member of staff and approved by the Head of Department before enrolment. PhD theses must make a major original contribution to scientific knowledge in the chosen area of research. This degree requires at least three years full-time (or equivalent part-time) and carries a weighting of 48 credit points per year.
Candidates enrol in the subject CHEM920.

**Entry requirements**
Honours degree in a relevant discipline at Class II, Division 2 or higher (or equivalent). Students wishing to enter this degree with qualifications below this standard will normally be required to complete successfully 48 credit points (one year) of coursework.

**Honours Master of Science (Chemistry) by Research**

**Introduction and Objectives**
Over the past decade there have been many rapid advances in Chemistry, particularly in chemical instrumentation. Techniques and applications now in common use did not exist five years ago. Therefore it is essential for Chemistry graduates to be aware of at least some of these new developments. Courses provide for the specific needs and interests of applicants from both industry and education, as well as for students wishing to obtain experience in a modern research program.

**Structure of the Course**
By research only: for students entering with Honours Class II, Division 2 or better. These students will undertake a 48 credit point research project (one year).

By a combination of research and coursework: for students entering with a degree below Honours Class II, Division 2, i.e. a 48 credit point research project plus a further 48 credit points of coursework (two years).

The 48 credit points of coursework (if required) consists of the following three subjects:
- CHEM910 Advanced Topics in Chemistry
- CHEM915 Advanced Chemistry Laboratory Project
- CHEM918 Chemistry Report

**Entry to the Course**
Honours degree in Chemistry at Class II, Division 2 or higher (or equivalent). Students wishing to enter this degree with qualifications below this standard must successfully complete an additional 48 credit points (one year) of coursework.

**Pre-requisites**
The minimum pre-requisite for all subjects is that the student must have graduated with at least 24 credit points of 300-level Chemistry subjects.

**Articulation**
This course may articulate to a PhD with the approval of the Head of Department.

**Honours Master of Science (Medicinal Chemistry)**

**Introduction and Objectives**
The course provides vocational and extended research training in medicinal chemistry, an area where there is currently a high demand for graduates. The first year of the program consists of special coursework in medicinal chemistry followed in the second year by the opportunity to undertake a full-time research project in medicinal chemistry.

**Structure of the Course**
Students complete 96 credit points over two years (or equivalent part-time).

**Year 1**
- CHEM910 Advanced Topics in Chemistry
- CHEM915 Chemistry Laboratory Project
- CHEM930 Selected Topics in Medicinal Chemistry

**Year 2**
- CHEM920 Chemistry Research Project

**Entry to the Course**
A Bachelor of Science or the appropriate science-related degree is required with enrolment subject to approval of the Head of Department.

**Articulation**
This course may articulate to a PhD with the approval of the Head of Department.

**Master of Science (Chemistry)**

**Introduction and Objectives**
The objectives of this course are similar to those of the Honours Master of Science above. It is designed for applicants from industry and education and for students who wish to proceed beyond the 3 year pass degree but for whom the research component of the Honours degree is inappropriate.

**Structure**
This is a 48 credit point coursework degree in which students do the three subjects:
- CHEM910 Advanced Topics in Chemistry
- CHEM915 Advanced Chemistry Laboratory Project
- CHEM918 Chemistry Report in accordance with the Pass Master Degree Rules.

**Entry to the Course**
Students must consult the Departmental Head for approval of overall entry.

**Pre-requisites**
The minimum pre-requisite is that the student must have graduated with at least 24 credit points of 300-level Chemistry subjects.
Faculty of Science

Master of Science (Medicinal Chemistry)

Introduction and Objectives
The course 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.

Structure
Students complete 48 credit points of coursework over one year (or equivalent part-time) by enrolling the following three subjects:

- CHEM91 Advanced Topics in Chemistry
- CHEM915 Chemistry Laboratory Project
- CHEM930 Selected Topics in Medicinal Chemistry

Entry to the Course
A Bachelor of Science or the appropriate science-related degree is required with enrolment subject to approval of the Head of Department.

Articulation
This course articulates to an Honours Master of Science (Medicinal Chemistry).

Graduate Diploma in Science

Introduction and Objectives
This one year Graduate Diploma is designed principally as a Masters Qualifying course for students who have an inadequate preparation for direct entry into our MSc degree programs. It will be found useful by international students and by students either without a full major in Chemistry at undergraduate level or who completed their first degree some years ago.

Entry to the Course
Students must consult with the Departmental Head for approval of overall entry. The particular combination of subjects to be taken by each student will be decided after discussion with the Head and will take into account the student's specific background and needs.

Subjects to the value of 48 credit points chosen from the following list in consultation with the Head of the Department of Chemistry. The Departmental Head may also nominate other subject(s) deemed appropriate.

- CHEM215 Food Chemistry
- CHEM31 Inorganic Chemistry III
- CHEM314 Instrumental Analysis
- CHEM320 Biological Chemistry
- CHEM321 Organic Synthesis and Reactivity
- CHEM364 Molecular Structure and Spectroscopy
- CHEM327 Environmental Chemistry
- CHEM347 Chemistry Laboratory Project
- CHEM312 Advanced Topics in Chemistry
- CHEM311 Selected Topics in Chemistry
- CHEM318 Chemistry Report

Articulation
This course may articulate to a MSc/MSc(Hons) course with the approval of the Head of Department.

ENVIRONMENTAL SCIENCE

Courses Offered
The following courses are available:

- Doctor of Philosophy
- Honours Master of Environmental Science by Research and Coursework
- Honours Master of Environmental Science by Research
- Master of Environmental Science by Coursework

Current Research Areas
Current research covers a number of environmental areas, including the following:

- Waste management technology and strategies
- Seagrass and fish biology
- Responses of plant and animal populations to bushfires
- Plant succession and recolonisation of disturbed land
- Conservation genetics of native plants and animals
- Marine ecology and genetics
- Effects of pollution on aquatic organisms
- Atmospheric reaction mechanisms
- Environmental chemistry, especially the development of new methods for the analysis and treatment of industrial wastes and trace toxins
- Studies of heavy metals levels in the Illawarra region and investigations of the mechanism of toxic action
- Coastal marine pollution
- Soil genesis and management
- Integrated estuarine and watershed management studies
- Coastal and fluvial geomorphology
- Environmental prehistory
- Environmental impact
- Remote sensing applications
Course Structures

Biogeography
Economic and environmental geology
Sedimentology of terrestrial and shallow marine sequences
Coastal and marine resource policy

Doctor of Philosophy

Students complete a major thesis and undertake a research project arranged in consultation with the appropriate member of staff and approved by the Head of Environmental Science before enrolment. PhD theses must make a major original contribution to scientific knowledge in the chosen area of research.

Entry requirements

Honours bachelor degree in a relevant discipline at Class II, Division 2 or higher (or equivalent). Students wishing to enter this degree with qualifications below this standard will normally be required to successfully complete 48 credit points (one year) of coursework.

Candidates for this degree enrol in ENVI999.

Honours Master of Environmental Science by Research and Coursework

(This is a full fee-paying program)

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.

The course structure facilitates the tailoring of coursework to suit the individual requirements of candidates with differing undergraduate qualifications and employment experience.

Entry Requirements

Bachelor degree in Environmental Science, Science, Applied Science, Agriculture, Forestry, Veterinary Science or Engineering, or equivalent tertiary qualifications and/or professional experience. Students must consult with the Coordinator of the Environmental Science Unit for approval of overall entry.

The subjects offered for postgraduate study leading toward the Honours Master of Environmental Science by coursework and research degree are:

Core subjects for all candidates

ENVI930  Thesis
ENVI920  The Scientific Basis of Environmental Management
ENVI921  Environmental Planning
ST3929  Studies in Resource and Environmental Policy

Plus at least two of the following subjects

MGMT310  Introduction to Management for Professionals B
LAW380  Law for Environmental Managers
ENVI985  Environmental Engineering
ST530  The Environmental Context

Plus at least two of the following subjects

ENVI910  Directed Studies in Pollution Chemistry
ENVI911  Directed Studies in Ecology
ENVI912  Directed Studies in Land Resources
ENVI913  Directed Studies in Earth Sciences

Honours Master of Environmental Science by Research

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. One year full time or part time equivalent.

Entry requirements

Honours bachelor degree of at least four years' duration in Environmental Science, Science, Applied Science or Engineering at Class II, Division 2 or higher (or equivalent qualifications and/or professional experience) or Master of Environmental Science. The Head of Environmental Science and the Head of Unit, in which the research component will be completed, must approve entry.

Structure

The program consist of a research thesis and one subject which ensures that graduates from the program have a broad appreciation of the role of Science in environmental management.

ENVI940  Environmental Science Research Thesis
ENVI920  Scientific Basis of Environmental Management

Master of Environmental Science by Coursework

This program is designed for applicants who wish to extend their knowledge of science relating to the environmental by studying areas not covered in their undergraduate science or engineering degree (including environmental policy, planning and management).

Entry Requirements

Bachelor degree in Environmental Science, Science, Applied Science, Agriculture, Forestry, Veterinary Science or Engineering (or equivalent qualifications and/or professional experience). Students must consult with the Co-ordinator of the Environmental Science Unit for approval of overall program.
**Core Subjects**

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<tr>
<td>ENVI920</td>
<td>The Scientific Basis of Environmental Management</td>
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<tr>
<td>ENVI921</td>
<td>Environmental Planning</td>
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**Electives**

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<tr>
<td>ENVI910</td>
<td>Directed Studies in Pollution Chemistry</td>
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<tr>
<td>ENVI911</td>
<td>Directed Studies in Ecology</td>
</tr>
<tr>
<td>ENVI912</td>
<td>Directed Studies in Land Resources</td>
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<tr>
<td>ENVI913</td>
<td>Directed Studies in Earth Sciences</td>
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<tr>
<td>ENVI919</td>
<td>Directed Studies in Environmental Science</td>
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<tr>
<td>GEOS941</td>
<td>Coastal Environments</td>
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<td>GEOS942</td>
<td>Geomorphology of Rivers</td>
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<td>GEOS946</td>
<td>Geographic Information Systems</td>
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<td>GEOS948</td>
<td>Quaternary Studies</td>
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<tr>
<td>GEOS949</td>
<td>Landscapes and Soils</td>
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<tr>
<td>STS929</td>
<td>Studies in Resource and Environmental Policy</td>
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Other relevant subjects can be included in the selection available to students but must have the approval of the Head. This includes relevant 900 level subjects from the Faculties of Arts, Commerce, Engineering and Science.

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**GEOSCIENCES**

**Courses Offered**

The following courses are available:

- **Doctor of Philosophy**
  - Honours Master of Science and Honours Master of Arts by:
    - a. Coursework
    - b. Coursework and Research
    - c. Research

- **Master of Science**
- **Master of Arts**
- **Graduate Diploma in Science**

**Postgraduate Programs**

- Physical Geography and Environments
- Human Geography and Environments
- Fuels and Sedimentology
- Minerals and Hard Rock Geology
- and other studies in Geoscience.

**Current Research Areas**

The following areas of research are available to candidates undertaking the Honours Master degrees by research and the Doctor of Philosophy degree:

**Physical Geography**
- Quaternary studies
- Australian prehistory
- Coastal geomorphology
- Fluvial geomorphology
- Evolution of landforms
- Soils and landscapes
- Environmental impact
- Environmental management
- Remote sensing applications
- Geographical information systems
- Biogeography
- Palynology
- Natural hazards

**Human Geography**
- Agricultural geography
- Asia-Pacific Rim
- Environmental management
- Rural Studies
- Geographical information systems
- Australian prehistory
- Urban studies
- Population studies
- Health and welfare
- Food resources and World economy
- Economic restructuring
- Cultural landscapes
- Development Studies

**Geology**
- Coal geology
- Environmental geology
Course Structures

Environmental geochemistry
Hydrology
Igneous petrology
Isotope geochemistry
Marine Geoscience
Metamorphic petrology
Ore geology
Palaeontology and stratigraphy
Petroleum geology and oil shales
Sedimentology
Structural geology and tectonics
Volcanology

Doctor of Philosophy

Students complete a major thesis and undertake a research project arranged in consultation with the appropriate member of staff and approved by the Head of Department before enrolment. PhD theses must make a major original contribution to scientific knowledge in the chosen area of research. Candidates enrol in GEOS999 Major Thesis. The degree carries a weighting of 48 credit points per year for a minimum of 3 years.

Entry Requirements

Honours bachelor degree in a relevant discipline at Class II, Division 2 or higher (or equivalent). Students wishing to enter this degree with qualifications below this standard will normally be required to successfully complete 48 credit points (one year) of coursework.

Honours Master of Science (Geography or Geology)

The rapid development of earth sciences has produced a need for postgraduate coursework. The courses offered by the School of Geosciences provide further training to graduates currently employed in government, industry or education. The courses are intended to provide a broad general training. Specialist training is mainly by the preparation of a research thesis, but specialist coursework training is also available. Entry and choice of subjects is subject to the approval of the Head of the School of Geosciences. The subject combinations in each program may be varied to take account of the candidates' qualifications, objectives and study plan. The minimum pre-requisites for all programs is that the student must have graduated with at least the equivalent of 24 credit points of 300-level Geosciences subjects.

Students entering with a degree in Geosciences at the level of at least Bachelor Honours Class II, Division 2 will take subjects to a value of 48 credit points. Students entering with a pass or Bachelor Honours Class III degree will take subjects to a value of 96 credit points. The course consists of subjects selected from one of the listed postgraduate programs and/or a 48 credit point research thesis.

Honours Master of Arts (Geography)

The primary aim of the Honours Master program in Geosciences is to provide research training at the postgraduate level. Students are required to have at least an Honours Class II, Division 2 degree in an appropriate discipline and will be required to complete a thesis with a value of at least 48 credit points. (GEOS944)

Master of Science (Geography Or Geology) and Master of Arts (Geography)

These coursework programs have been devised to meet the needs of students who wish to proceed to the postgraduate level in Geography or Geology to enhance their qualifications in an area without undertaking a research project.

Students with a satisfactory background in Geosciences will be required to complete subjects with a value of 48 credit points. Other students will be required to complete postgraduate subjects with a value of 72 points. The subjects are grouped in four strands which reflect the major research strengths of the school of Geosciences. Students are encouraged to focus their studies on one of these strands. Entry to the program and the choice of subjects require the approval of the Head of the School of Geosciences.

Postgraduate Programs

Master of Science and Master of Arts (Physical Geography and Environments)

GEOS935 Research Report
GEOS941 Coastal Environments
GEOS942 Geomorphology of Rivers
GEOS943 Biogeography
GEOS944 Remote Sensing
GEOS946 Geographical Information Systems
GEOS948 Quaternary Studies
GEOS949 Soils, Landscape and Hydrology
GEOS952 Climate and Natural Hazards

Master of Science and Master of Arts (Human Geography and Environments)

GEOS935 Research Report
GEOS946 Geographical Information Systems
GEOS947 Australian Prehistory
GEOS951 Environmental Policy and Management
GEOS963 Population and Health: Dynamics, Analysis and Policy
GEOS964 Food and Development Studies
GEOS965 Change in the Asia-Pacific Rim
GEOS966 Urban and Regional Studies
GEOS968 Cultural Landscapes

Master of Science (Minerals and Hard Rock Geology)

Master of Science (Minerals and Hard Rock Geology)
Graduate Diploma in Science

The Graduate Diploma in Science offers graduates lacking a major strand of Geosciences in their degree the opportunity to acquire competence in the discipline. Alternatively, Geosciences graduates may enrol in the program in order to update, broaden and/or intensify their knowledge, e.g. for teaching, or to equip themselves for work in applied fields such as environmental studies, fuels or mining resources, or in urban, regional or social planning. In addition to the University’s Rules for Graduate Diplomas, candidates for the Graduate Diploma in Science shall:

i) complete Geoscience subjects to a value of not less than 48 credit points from those listed in the General Schedule, at least 24 credit points being for subjects at the 300-level and the remainder at 200-level, provided that by approval of the Head of School, up to 12 credit points at 200-level may be obtained for cognate subjects offered by another Department;

ii) not include in the diploma program subjects which, in the opinion of the Head of School, are substantially equivalent in content to those for which credit has already been obtained towards some other degree or diploma;

iii) have their program approved by the Head of School before enrolling;

iv) successfully complete the graduate diploma program in not more than four academic sessions.
BIOL910 Advanced Topics in Biology A: Literature Research Project 16 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Under the supervision of staff nominated by the Postgraduate Coordinator, the student will survey the biological literature and present a written report and a seminar on a topic chosen by the supervisory staff.

Subject Objectives: n/a

Additional Information: Contact Head of Department before enrolment.

Text books: n/a

Session               contact         campus      delivery  
                      hours          method

Spring               n/a                Wollongong  On Campus
Autumn               n/a                Wollongong  On Campus

BIOL911 Advanced Topics in Biology B: Laboratory Research Project 16 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Under the supervision of staff nominated by the Postgraduate Coordinator, the student will undertake a laboratory or field-based project and present a written report and a seminar on a topic chosen by the supervising staff.

Subject Objectives: n/a

Additional Information: Contact Head of Department before enrolment.

Text books: n/a

Session               contact         campus      delivery  
                      hours          method

Spring               n/a                Wollongong  On Campus
Autumn               n/a                Wollongong  On Campus

BIOL916 Plant & Agricultural Biotechnology 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Plant tissue culture - protoplast induction and regeneration, callus culture, suspension culture. Clonal propagation. Molecular biology of pathogen-plant interactions; microbial-plant symbiotic interactions; biological control of plant pathogens; detection of pathogens. Genetic engineering of plants. Algal culture and algal manipulation. The subject will provide the scientific background behind the listed topics, relevant practical knowledge and an understanding of their applications in developed and developing countries.

Subject Objectives: n/a

Additional Information: Contact Head of Department before enrolment.

Text books: n/a

Session               contact         campus      delivery  
                      hours          method

BIOL917 Aquatic and Environmental Biotechnology 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Aquatic microbiology; Screening for useful chemicals from aquatic organisms; Biological degradation of aquatic pollutants including hydrocarbons and chlorinated compounds; Biological treatment processes to remove heavy metals from effluents and ores; Biodegradation and biodeterioration of organic and inorganic compounds including waste treatment. The subject will provide the scientific background behind the listed topics, relevant practical knowledge and an understanding of their applications in developed and developing countries.

Subject Objectives: n/a

Additional Information: Contact Head of Department before enrolment.

Text books: n/a

Session               contact         campus      delivery  
                      hours          method

Spring               n/a                Wollongong  On Campus
Autumn               n/a                Wollongong  On Campus

BIOL918 Bioinformatics and Diagnostic Biotechnology 8 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Practical reports; tutorial seminar; theory exam.

Subject Description: 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, compare and analyse biological data. In the laboratory, probes will be produced based on DNA and antibodies for the diagnosis of diseases of humans, plants and animals. These probes will be used to detect specific microorganisms in tissue and environmental samples.

Subject Objectives: n/a

Additional Information: Subject co-ordinator Dr Ren Zhang ph: 02-42 213427, Room No. 35.110 Lecturers: A/Prof.Ross Lilley ph: 02-42 213431; Dr Wendy Russell ph: 02-42 214916

Text books: n/a

Session               contact         campus      delivery  
                      hours          method

Spring               n/a                Wollongong  On Campus
Autumn               n/a                Wollongong  On Campus

BIOL920 Biotechnology: Cells, Proteins & Antibodies 12 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a


Subject Objectives: n/a
Additional Information: Contact Head of Department before enrolment.

Text books: n/a

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**BIOL921 Biotechnology: Nucleic Acids** 12 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a


Subject Objectives: n/a

Additional Information: Contact Head of Department before enrolment.

Text books: n/a

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**BIOL951 Research Techniques in Conservation** 16 cp

Pre-requisites: Degree in a relevant discipline area.

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: The course will provide a strong background in scientific principles involved in land management and develop necessary techniques to produce and implement management plans. The course will include the following topics: principles of biology for management; experimental design and statistical analysis; biodiversity survey; management of rare, alien and endemic species; population viability analysis; designing research programs for plans of management; searching literature and scientific writing; GIS/remote sensing; protected area management and reserve design.

Subject Objectives: n/a

Additional Information: Contact Head of Department before enrolment.

Text books: n/a

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**BIOL952 Sustainable Forest Management** 16 cp

Pre-requisites: Degree in a relevant discipline area.

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: This subject evaluates ways in which socioeconomic and political demands impinge on conservation outcomes in forestry, using a range of key case studies with lectures by practitioners, field visits and practical experience e.g. regional planning; legislation and international obligations; forest land use planning; staff training skills; catchment management; strategies for reserve management; implementing sustainable logging practices; conservation ethics; economically viable alternative land uses.

Subject Objectives: n/a

Text books: n/a

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**BIOL991 Biotechnology Research Project** 24 cp

Pre-requisites: BIOL951 and BIOL952

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: Major report (including literature review) and seminar.

Subject Description: Students will undertake a research project in forest management that is relevant to their current employment. The precise topic will be negotiated between the subject co-ordinator, the in-country employer and an in-country supervisor based at a nearby University. It will examine a local problem in biodiversity assessment, reserve planning or management and will include a literature review, field studies, critical assessment of the issues and recommendations for action.

Subject Objectives: To examine a local problem in biodiversity assessment, reserve planning or management.

Additional Information: Contact Head of Department before enrolment.

Text books: n/a

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**BIOL995 Forest Management Research Project** 16 cp

Pre-requisites: BIOL951 and BIOL952

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: Students will undertake a research project on a topic in Biotechnology 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.

Subject Objectives: Contact Head of Department before enrolment.

Text books: n/a

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**BIOL999 Major Thesis** 48 cp

Pre-requisites: n/a

Co-requisites: n/a

Restrictions: n/a

Exclusions: n/a

Assessment: n/a

Subject Description: Thesis research to be chosen from the current research areas within the Department listed above. Topic to be arranged in consultation with relevant staff and approved by Head of Department.

Subject Objectives: n/a

Additional Information: n/a

Text books: n/a

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</table>
CHEM910 Advanced Topics in Chemistry 16 cp
Pre-requisites: Appropriate degree. Compulsory for all students undertaking an MSc in Chemistry by coursework, except for students who have passed CHEM911 or completed the subject in a Graduate Diploma in Science (Chemistry). Not to count with CHEM911 or CHEM911
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written/oral assignments and examinations (as appropriate)
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.
Subject Objectives: n/a
Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112, phone: 0242 213529; email: will_price@uow.edu.au
Text books: n/a
Session | contact | campus | delivery
--- | --- | --- | ---
Annual | n/a | Wollongong | On Campus

CHEM911 Selected Topics in Chemistry B 8 cp
Pre-requisites: Appropriate degree. Not to count with CHEM910
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written/oral assignments and examinations (as appropriate)
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 other subjects, in discussion with the course Co-ordinator.
Subject Objectives: n/a
Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112, phone: 0242 213529; email: will_price@uow.edu.au
Text books: n/a
Session | contact | campus | delivery
--- | --- | --- | ---
Spring | Not available | Wollongong | On Campus
Autumn | 28hrL, 28hrT | Wollongong | On Campus

CHEM915 Advanced Chemistry Laboratory Project 16 cp
Pre-requisites: Appropriate degree.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Thesis: 70%; Poster: 15%; Seminar: 15%
Subject Description: Under the supervision of staff appointed by the Head of Department, students will undertake a laboratory project and present a written report, poster and a seminar on a topic chosen by the supervising staff.
Subject Objectives: n/a
Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112, phone: 0242 213529; email: will_price@uow.edu.au
Text books: n/a

CHEM918 Chemistry Report 16 cp
Pre-requisites: Appropriate degree.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Substantial report 85%; seminar 15%
Subject Description: Under the supervision of staff appointed by the Head of Department, students will survey the chemical literature and prepare a report on a topic chosen by the supervising staff and present a seminar on their findings.
Subject Objectives: n/a
Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112, phone: 0242 213529; email: will_price@uow.edu.au
Text books: n/a
Session | contact | campus | delivery
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Annual | n/a | Wollongong | On Campus

CHEM920 Chemistry Research Project 48 cp
Pre-requisites: Appropriate degree.
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Major thesis
Subject Description: Topic to be arranged in consultation with the Departmental Head and approved by the Board of Research and Postgraduate Studies. Involves supervised research work.
Subject Objectives: n/a
Additional Information: Subject Co-ordinator: Prof Stephen Pyne, Building 18, room 108B, phone: 0242 213511; email: stephen_pyne@uow.edu.au
Text books: n/a
Session | contact | campus | delivery
--- | --- | --- | ---
Annual | n/a | Wollongong | On Campus

CHEM923 Advanced Topics in Chemistry Part 1 (Spring) 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written/oral assignments and examinations (as appropriate)
Subject Description: Part 1 of CHEM910
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session | contact | campus | delivery
--- | --- | --- | ---
Spring | n/a | Wollongong | On Campus
CHEM924 Advanced Topics in Chemistry Part 2  
(Autumn) 8 cp
Pre-requisites: Enrolling in a subject in Spring and completing the following Autumn
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written/oral assignments and examinations (as appropriate)
Subject Description: Part 2 of CHEM910
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery  
hours method
Autumn n/a Wollongong On Campus

CHEM925 Advanced Chemistry Laboratory Project  
Part 1 (Spring) 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Thesis: 70%; Poster: 15%; Seminar: 15%
Subject Description: Part 1 of CHEM915
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery  
hours method
Spring n/a Wollongong On Campus

CHEM926 Advanced Chemistry Laboratory Project  
Part 2 (Autumn) 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Thesis: 70%; Poster: 15%; Seminar: 15%
Subject Description: Part 2 of CHEM915
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery  
hours method
Autumn n/a Wollongong On Campus

CHEM927 Chemistry Report - Part 1 8 cp
Pre-requisites: Appropriate degree
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Substantial report 85%; Seminar 15%
Subject Description: Part 1 of CHEM918
Subject Objectives: n/a
Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112; phone: 0242 213529; email: willprice@uow.edu.au
Text books: n/a
Session contact campus delivery  
hours method
Spring n/a Wollongong On Campus

CHEM928 Chemistry Report - Part 2 8 cp
Pre-requisites: Appropriate degree
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Substantial report 85%; Seminar 15%
Subject Description: Part 2 of CHEM918
Subject Objectives: n/a
Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112; phone: 0242 213529; email: will_price@uow.edu.au
Text books: n/a
Session contact campus delivery  
hours method
Autumn n/a Wollongong On Campus

CHEM930 Selected Topics in Medicinal Chemistry 16 cp
Pre-requisites: Entry subject to approval of Head of Department
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: Written examination; essays (2); seminar
Subject Description: Specialist courses in aspects of medicinal chemistry and related areas (drug design, synthesis, pharmacology, computer modelling and structural studies). Directed Medicinal Chemistry studies, in an area related to the student's individual research project.
Subject Objectives: 1. To develop (a) a broadening of the student's medicinal chemistry knowledge base; (b) the student's understanding of recent advances and current issues in medicinal chemistry; (c) the student's understanding of the principles and techniques used in drug design and development; (d) the student's ability to apply problem solving skills to medicinal chemistry issues. 2. To acquire specialised knowledge fundamental to an aspect of the student's individual major research project.
Additional Information: Subject Co-ordinator: Dr Paul Keller, Building 18, Room G02. Phone 02 42 214602. Email address: paul_keller@uow.edu.au
Text books: n/a
Session contact campus delivery  
hours method
Annual 4 hrs lectures Wollongong On Campus + 1 hr/week contact with supervisor
ENVE899 Advanced Topics in Environmental Engineering 48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: One or more advanced topics taken from the following: computer aided analysis and design; computer methods; environmental hydraulics; pollution control; erosion and land rehabilitation; waste management; environmental impact assessment; environmental modelling processes; environmental geotechnology; transport and the environment; ground and mine-water.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

Session contact campus delivery

| Annual  | n/a | Wollongong | On Campus |

ENVE901 Project 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.
Text books: n/a

Session contact campus delivery

| n/a | n/a |

ENVE916 Research Topics in Environmental Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Topics will be selected from the areas of environmental engineering in which staff members are engaged in research.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a

Session contact campus delivery

| n/a | n/a |

ENVE920 Principles of Environmental Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Collection and treatment of waste water; physical, chemical and biological treatment processes; measurement of pollutants; industrial and solid waste disposal; air pollution; noise pollution; environmental impact statements.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a

Session contact campus delivery

| n/a | n/a |

ENVE921 Wastewater Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Wastewater collection; sewer and storm drainage design; chemistry and microbiology of wastewater; effect on environment; physical, chemical and biological treatment processes and design facilities; sludge treatment and disposal; wastewater reuse; advanced wastewater treatment; treatment plant design.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a

Session contact campus delivery

| n/a | n/a |

ENVE922 Water Supply Engineering 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: Water quality; water supply sources and demand; chemistry and microbiology of water; aeration and oxygen transfer; theory of coagulation, flocculation, sedimentation and filtration; disinfection; water softening, desalination; design of mains and service pipes; distribution of water.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a

Session contact campus delivery

| n/a | n/a |

ENVE923 Industrial Waste Engineering and Cleaner Production 6 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

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.

Subject Objectives: n/a
Additional Information: Subject to demand, this subject may be offered in 2001. Please contact the Faculty.
Text books: n/a

Session contact campus delivery

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<td><strong>ENVE924</strong> Solid and Hazardous Waste Management**</td>
<td>6 cp</td>
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<td>Subject Description</td>
<td>After successfully completing this subject, students should be able to: * Understand the basic mechanisms controlling the origin and effects of pollutants on the environment. * Use critical judgement in identifying the significant factors affecting air, noise and water pollution. * Be competent in sampling and analysing air, noise and water pollutants in the field and laboratory. * Perform engineering calculation to predict and control air, noise and water pollution.</td>
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GEOS901 Isotope Geochemistry 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from essays, reports, seminars, final examination
Subject Description: Topics include sample preparation; mass spectrometry; applications of both radiogenic and stable isotopic systems; geochronology modelling; petrogenetic modelling.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn up to 42 hrs Wollongong On Campus

GEOS902 Diagenesis 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from essays, reports, seminars, final examination
Subject Description: Topics include evolution of diagenetic processes acting on clastic and carbonate sedimentary sequences; interaction between cementation, secondary porosity and permeability in the development of subsurface reservoirs. Laboratory work will include petrology of selected suites of rocks including photomicroscopy, SEM, XRD and assessment of porosity and permeability.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring 42 hrs, + field Wollongong On Campus work

GEOS903 Biostratigraphy 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from essays, reports, seminars, final examination
Subject Description: Topics include principles of and developments in biostratigraphy; zonation, assemblages, correlation; biogeography; importance of various fossil groups; Australian and other case histories in biostratigraphy.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Autumn 42 hrs, + field Wollongong On Campus work

GEOS904 Ore Genesis 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from essays, reports, seminars, final examination
Subject Description: Topics include principles of ore genesis; spatial and temporal considerations; experimental studies; plate tectonics and ore genesis; hydrothermal fluids, fluid inclusions; genesis of hydrothermal, magmatic, metasomatic, sedimentary and residual deposits.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring 42 hrs, + field Wollongong On Campus work

GEOS906 Metamorphism 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from essays, reports, seminars, final examination
Subject Description: Topics include the genesis of metamorphic rocks; contact metamorphic and metasomatic phenomena; regional metamorphism at contrasted pressures and temperatures; and the roles of pressure, temperature, time and fluid composition in metamorphism.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring 42 hrs, + field Wollongong On Campus work

GEOS907 Seismic Exploration 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from essays, reports, seminars, final examination
Subject Description: Topics include acquisition and processing of seismic data, structural interpretation of seismic sections; seismic stratigraphy; well logging and well tests; seismic modelling and reservoir evaluation; high-resolution seismic reflection, in-seam seismic. Laboratory work includes interpretation of seismic data using both conventional paper records and interactive computer displays.
Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact campus delivery hours method
Spring 42 hrs, + field Wollongong On Campus work

GEOS909 Applied Geophysics 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from essays, reports, seminars, final examination
Subject Description: Topics include gravity; magnetics; electrical and electromagnetic methods; well logging methods and interpretation. Laboratory work includes interpretation of synthetic and real data; field work includes use of equipment; data collection and interpretation.
Subject Objectives: n/a
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<td><strong>Subject Description:</strong> Topics include carbon compounds; kerogen and its analysis (elemental analysis, van Krevelen diagrams), pyrolysis (RockEval, pyrolysis-GC), solvent extraction, gas chromatography, mass spectrometry); formation and analysis of petroleum, biomarkers; petrology of oil shale and source rocks; source rock and maturation concepts in petroleum geology; reflectance profiles, geothermal gradients and burial history; thermal modelling.</td>
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Subject Descriptions

**GEOS918 Analytical Methods in Geology 8 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** as appropriate from essays, reports, seminars, final examination
- **Subject Description:** Topics include an outline of the theory and practice of modern analytical methods in petrology and determinative mineralogy; mineral separation; use of various analytical techniques including XRD, XRF, SEM, ICP and microprobe.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a

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<td>42 hrs, + field</td>
<td>Wollongong</td>
<td>On Campus</td>
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**GEOS919 Basin Setting and Analysis 8 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** as appropriate from essays, reports, seminars, final examination
- **Subject Description:** Topics include tectonic development of sedimentary basins; coal, petroleum and mineral deposits in sedimentary basins; spatial relationships; analytical aspects of basin analysis including palaeocurrent analysis, sedimentary facies relationships within the basin fill, petrological parameters in sedimentary basins and mathematical analysis of basin data.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a

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<td>42 hrs. + field</td>
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**GEOS920 Organic Petrology 8 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** as appropriate from essays, reports, seminars, final examination
- **Subject Description:** Topics include sample preparation; fluorescence and white light microscopy; minerals, microclithotypes, lithotypes; evolution of flora; coal-forming environments; formation of peat; coalification; type and rank; heat affected coals, coke; Groundwater; coal geology and associated stratigraphic, tectonic and palaeogeographic problems; minerals in coal and oil shale.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a

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**GEOS921 Environmental Geology 8 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** as appropriate from essays, reports, seminars, final examination
- **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.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a

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**GEOS923 Dynamic Earth 8 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** as appropriate from essays, reports, seminars, final examination
- **Subject Description:** The subject provides an overview of dynamic Earth with analysis of lithospheric processes of deformation. Topics covered in the subject include: plate tectonics, deformation of the crust and modern techniques in structural geology and tectonics. The principles of stress, strain and deformation are taught and applied to the understanding of rock structures. Aspects of the tectonic evolution of orogenic belts, including eastern Australian examples, are also dealt with.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a

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**GEOS935 Research Report 8 cp**

- **Pre-requisites:** n/a
- **Co-requisites:** n/a
- **Restrictions:** n/a
- **Exclusions:** n/a
- **Assessment:** research report
- **Subject Description:** This subject will allow the student to research in detail a problem identified in another subject within the program. Approval to enrol in this subject will only be granted to students who have demonstrated their capacity to undertake research by their performance in one or more of the other subjects in the strand.
- **Subject Objectives:** n/a
- **Additional Information:** n/a
- **Text books:** n/a

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### GEOSS941 Coastal Environments 8 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** as appropriate from class tests, essays, research project, practical work, final examination  
**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, estuaries, and coral reefs. Emphasis is placed on interpreting Holocene morphostratigraphy and morpho-dynamics, reconstructing sea-level changes and the effect of sea-level changes on coastal environments, and on understanding long-term ecological and geomorphological processes.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** | contact hours | campus | delivery method  
---|---|---|---  
Spring | 6hrs/wk, + field work | Wollongong On Campus |  

### GEOSS942 Geomorphology of Rivers 8 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** as appropriate from class tests, essays, research project, practical work, final examination  
**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.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** | contact hours | campus | delivery method  
---|---|---|---  
Autumn | 6hrs/wk, + field work | Wollongong On Campus |  

### GEOSS943 Biogeography 8 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** as appropriate from class tests, essays, research project, practical work, final examination  
**Subject Description:** Biogeography is the study of the distribution of plants and animals and their interaction with the physical environment. This subject examines the present distribution of vegetation in relation to climate, topography and soils at global and local scales. Field methods of vegetation sampling and mapping are emphasised, as well as quantitative data analysis. The evidence for the evolution of Gondwana flora and fauna is examined and related to climatic and geological changes.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** | contact hours | campus | delivery method  
---|---|---|---  
Autumn | 5 hrs, + field work | Wollongong On Campus |  

### GEOSS944 Major Thesis 48 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** n/a  
**Subject Description:** The major thesis for the Honours Master degree takes the form of a supervised full-time research project on an approved topic over at least two sessions.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** | contact hours | campus | delivery method  
---|---|---|---  
Annual | 5hrs per week | Wollongong On Campus |  

### GEOSS945 Remote Sensing 8 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** as appropriate from class tests, essays, research project, practical work, final examination  
**Subject Description:** This subject provides students with an understanding of Geographic Information Systems and the technical skills required to operate GIS software and analyse spatial data. Practical applications in natural resource management, urban and regional planning, pollution management, distribution of plant and animal communities, natural hazards, medical geography, economic and environmental geology and environmental impact assessment are emphasised. Topics include data acquisition, spatial data-bases and analysis, georeferencing, digital terrain modelling, and accuracy.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** | contact hours | campus | delivery method  
---|---|---|---  
Spring | 6hrs per week | Wollongong On Campus |  

### GEOSS946 Geographic Information Systems 8 cp

**Pre-requisites:** n/a  
**Co-requisites:** n/a  
**Restrictions:** n/a  
**Exclusions:** n/a  
**Assessment:** as appropriate from class tests, essays, research project, practical work, final examination  
**Subject Description:** This subject provides students with an understanding of Geographic Information Systems and the technical skills required to operate GIS software and analyse spatial data. Practical applications in natural resource management, urban and regional planning, pollution management, distribution of plant and animal communities, natural hazards, medical geography, economic and environmental geology and environmental impact assessment are emphasised. Topics include data acquisition, spatial data-bases and analysis, georeferencing, digital terrain modelling, and accuracy.  
**Subject Objectives:** n/a  
**Additional Information:** n/a  
**Text books:** n/a  
**Session** | contact hours | campus | delivery method  
---|---|---|---  
Autumn | 5hrs per week | Wollongong On Campus |
Subject Descriptions

**GEOSS947** Australian Prehistory 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from class tests, essays, research project, practical work, final examination

**Subject Description:** This subject reviews the evidence for the antiquity of the Aborigines, and provides an introduction to the techniques of dating and interpreting aboriginal cultural sites. Topics include geomorphological and biogeographical techniques used for reconstructing Late Quaternary environments; adjustments made by Aborigines to major environmental changes; the development and variety of aboriginal economies; aboriginal impact on the environment, including fire; extraction of giant marsupials; and environmental impact assessment of Aboriginal sites.

**Subject Objectives:**
- n/a

**Additional Information:**
- Text books: n/a
- Session contact campus delivery method
  - n/a

**GEOSS948** Quaternary Studies 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from class tests, essays, research project, practical work, final examination

**Subject Description:** The present environment of Australia is the legacy of interactions between geological, biological and hydrological processes and human impacts. Understanding Quaternary changes is now recognised as crucial to the interpretation of our biotic and geomorphic landscapes. Topics include the nature of the Quaternary record; dating methods; pollen and charcoal analysis; biotic change; the role of fire; and geomorphic change. A global context to Quaternary change is provided.

**Subject Objectives:**
- n/a

**Additional Information:**
- Text books: n/a
- Session contact campus delivery method
  - Autumn 6 hrs, + field Wollongong On Campus work
  - n/a

**GEOSS949** Soils, Landscape and Hydrology 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from class tests, essays, research project, practical work, final examination

**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; climate and geomorphic controls on landforms; erosion, weathering processes and the formation of soils, laterris, 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.

**Subject Objectives:**
- n/a

**Additional Information:**
- Text books: n/a
- Session contact campus delivery method
  - Spring 6 hrs, + field Wollongong On Campus work

**GEOSS951** Environmental Policy and Management 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from class tests, essays, research project, practical work, final examination

**Subject Description:** Political, institutional, economic and geographic factors which influence environmental management are analysed in this subject. Particular attention is given to examining recent approaches to environmental decision-making, assessment and evaluation. Emphasis is placed on the influence of political philosophies and social values systems, including those of indigenous peoples. Illustrations are drawn from a wide range of environmental issues, mainly from Australia, and commonly from the interface of human and physical geography.

**Subject Objectives:**
- n/a

**Additional Information:**
- Text books: n/a
- Session contact campus delivery method
  - Spring 6 hrs, + field Wollongong On Campus work

**GEOSS952** Climate and Natural Hazards 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from class tests, essays, research project, practical work, final examination

**Subject Description:** Natural hazards such as tropical cyclones, coastal storms, droughts, earthquakes, volcanoes and tsunami are undergoing extensive research in terms of our understanding about their behaviour and occurrence. The increasing frequency of these events is overwhelming existing global capabilities in mitigating their impacts and responding to their effects. This subject examines recently developed concepts on hazards and assesses changing societal consequences leading into the 21st century.

**Subject Objectives:**
- n/a

**Additional Information:**
- Text books: n/a
- Session contact campus delivery method
  - Autumn 6 hrs, + field Wollongong On Campus work

**GEOSS963** Population and Health: Dynamics, Analysis and Policy 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from class tests, essays, research project, practical work, final examination

**Subject Description:** Questions relating to population and health are important in all societies. This subject considers the processes and outcomes of demographic change (fertility, mortality, migration), compositional variation (population size, structure and growth), epidemiological transition (health status) and distribution. Examples are drawn from both 'developed' and 'less developed' countries. Attention will also be given to population and health regulating policies and programs, particularly the implications for the provision of health care.

**Subject Objectives:**
- n/a

**Additional Information:**
- Text books: n/a
- Session contact campus delivery method
  - n/a
GEOS964 Food and Development Studies 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from class tests, essays, research project, practical work, final examination
Subject Description: This subject seeks to increase student understanding of the processes operating from the local to international levels that result in inequalities in the distribution of food resources. It introduces key aspects of and explanations for the geography of hunger, including the roles of technology, aid and corporate interests in food resources. Food security issues are analysed using major theories of underdevelopment. Proposals for the alleviation of global hunger are canvassed.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Spring 6 hrs per Wollongong On Campus
Autumn 6 hrs per Wollongong On Campus

GEOS965 Change in the Asia-Pacific Rim 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: as appropriate from class tests, essays, research project, practical work, final examination
Subject Description: This subject examines the recent growth in the economies of South East and North Asia. This subject aims to examine the concept of development in Asia by addressing various case studies and theoretical perspectives. The subject not only compares mechanisms and consequences of economic development between Asian countries, but also with other less industrialised countries.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Autumn 6 hrs per Wollongong On Campus

GEOS966 Urban and Regional Studies 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: essay, tutorial/practical assignments, field report, theory examination
Subject Description: This subject considers the ideas, methods and practices of urban and regional policy since the Second World War. Problems such as inequitable distribution of and access to resources, locational conflict and disadvantage are examined. The appropriateness of spatial and physical planning policies in resolving these problems will be assessed.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Autumn 4 hrs, + field Wollongong On Campus

GEOS967 Rural Studies 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: essay, tutorial paper, practical/field assignments, field report, theory examination
Subject Description: Changing global markets and technologies have created economic and social difficulties for rural communities. This subject examines the linkages between global development, trade relations, agricultural markets and rural restructuring and social and environmental conditions. Examples are drawn from domestic and international case studies.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Autumn 4 hrs, + field Wollongong On Campus

GEOS968 Cultural Landscapes 8 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: research project, essays/seminar papers, theory examination
Subject Description: This subject examines the conceptual, social and physical dimensions of cultural landscapes. We look at the ways places are differentially experienced and constructed according to cultural variables such as gender, ethnicity and class. A wide range of examples including both urban and rural, Western and non-Western, past and contemporary, are explored. The scale of analysis varies from the domestic to the global.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method

GEOS970 Project A 18 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: reports, seminars, essays and examinations as appropriate
Subject Description: This project will consist of a field and/or laboratory study on some topical aspect of geosciences equivalent to one third of full-time study.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a
Session contact hours campus delivery method
Annual n/a Wollongong On Campus

GEOS971 Project B 18 cp
Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: reports, seminars, essays and examinations as appropriate
Subject Description: This project will consist of a field and/or laboratory study on some topical aspect of geosciences equivalent to one third of full-time study.
Subject Descriptions

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**GEOS999 Major Thesis**

48 cp

Pre-requisites: n/a
Co-requisites: n/a
Restrictions: n/a
Exclusions: n/a
Assessment: n/a

Subject Description: The major thesis for the Doctor of Philosophy degree takes the form of a supervised research project on an approved topic.

Subject Objectives: n/a
Additional Information: n/a
Text books: n/a

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